



Technical Adhesive Tapes

Product Range

Coronplast
— tape

Coroplast adhesive tapes – experience and innovation from a single source

Coroplast was founded back in 1928. In the early years, the company extruded PVC – a new material at that time – to make insulation sleeves, cables and insulated wires. The material expertise and process know-how that Coroplast acquired during these years enabled it to commence production of PVC electrical insulating tapes after 1945, paving the way for the new Adhesive Tapes Division. It is now more than 40 years since Coroplast's transition from a pure manufacturer of insulating tapes to a provider of technical adhesive tapes in selected markets. This journey has been accompanied by a passion for innovation and the courage to explore new technologies and go down different paths. Examples of this include:

- › The shift towards environmentally friendly, solvent-free adhesive systems and hot-melt acrylic
- › The use of hot-melt technology in new products
- › Numerous patent registrations
- › Continual development of the product range toward special products for specific, customer-oriented applications

Coroplast insulating tape is already legendary. Even the more recent of our products already enjoy a considerable market presence and some are already leaders in their target markets. Coroplast is an independent family owned company that specialises in the development and production of technical adhesive tapes. As a result, we have short decision-making channels that enable us to respond quickly and flexibly to customers' and market requirements and at the same time work on sophisticated technical development projects and enhance our international presence.

The Adhesive Tapes Division has production plants and distribution centres on three continents and operates with a global network of distributors. The in-house formulation and production of a range of pressure-sensitive adhesives has been an important factor in the company's success, and it underlines Coroplast's commitment to being an adhesive tapes brand that delivers exceptional quality.

As well as synthetic rubber, Coroplast also offers single- and double-sided adhesive tapes with dispersion adhesive and solvent acrylic adhesive, also in modified form, as well as hot-melt acrylic and self-adhesive acrylic compositions. Customers and users can be found worldwide in technically demanding sectors of trade and industry, a great many of them being automobile manufacturers and their suppliers. It goes without saying that Coroplast is certified in accordance with IATF 16949.

The company also provides a wide variety of different packaging and dispensing methods: From single rolls, converter rolls and cross-wound spools to die-cut parts, including processing aids. Many different options are available and even in customer-specific packaging if requested. Our convictions and values – namely a pioneering mentality and desire to strive for technical improvements, coupled with speed – are the reasons why Coroplast is consistently able to deliver new solutions and products for the market and individual customers.

Find out more about our strengths in developing and producing customer-specific solutions and special requests in conjunction with you, our customers. Our experienced and capable development team will be glad to advise you, whatever adhesive tape solutions you may need.





Contents

| | |
|--|-------|
| Automotive – Wire harness tapes | 4–29 |
| Electrical installation – Insulating tapes for the electrical trade, industry and DIY | 30–35 |
| Technical insulation – HVAC, sanitary | 36–45 |
| Loft conversion – For hermetic, windproof construction | 46–53 |
| Fastening and joining tape systems – Adhesive solutions for industrial and automotive applications | 54–75 |
| Special applications | 76–83 |
| Glossary | 84–85 |
| Colours | 86 |
| Product index – Coroplast information | 87 |

Automotive

Wire harness tapes





| | |
|---|---------|
| Film tapes for wire harnesses | 6 – 7 |
| Polyester cloth tapes for wire harnesses | 8 – 9 |
| Stitch-bonded non-woven polyester adhesive tapes for wire harnesses | 10 – 11 |
| Adhesive tapes based on other polyester carriers | 12 |
| Sustainable wire harness tapes | 13 |
| Adhesive tapes for acoustic dampening | 14 |
| PA velour tapes for wire harnesses | 15 |
| Abrasion-resistant tapes for heavy-duty mechanical protection | 16 |
| EMI shielding adhesive tape | 17 |
| Tapes for heat management | 18 – 19 |
| Lightweight and splice tapes | 20 – 21 |
| Reverse tapes for flexible wire harness bundling | 22 – 23 |
| TapeTubes for highly flexible wire harness protection | 24 |
| Sleeve tapes for longitudinal wire harness bundling | 25 |
| Strip-coated adhesive tapes for highly flexible wire harness bundling | 26 |
| Tape construction for flexible wire harnesses | 27 |
| Accessories and information | 28 |
| Coroplast automotive approvals | 29 |

Coroplast 317, 651 MSX

Plasticized PVC wire harness tapes

Applications, advantages and properties

- › For bundling and binding wire harnesses
- › Hand- or machine-applied
- › Solvent-free adhesive
- › Equipped with fingerlift
- › Can be applied fold-free on all uneven surfaces due to high flexibility
- › Easy to tear by hand
- › Highly chemical resistant
- › Good resistance to cold and heat
- › Resistant to ageing

317

- › In accordance with ECE-R118/03

651 MSX

- › Carrier film made of extremely heat-resistant special compound



Coroplast 317

| Technical data | 317 | 651 MSX |
|--------------------------------|---|---|
| Carrier | plasticized PVC film | plasticized PVC film made of special compound |
| Adhesive | acrylic | acrylic |
| Thickness | 0.15 mm | 0.15 mm |
| Colours | black, other colours available on request | black, other colours available on request |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 33 and 66 m | 33 and 66 m |
| Tensile strength | 18 N/cm | 20 N/cm |
| Elongation at break | 160 % | 180 % |
| Adhesion to steel | 2.0 N/cm | 2.2 N/cm |
| Dielectric strength | > 40 kV/mm | > 40 kV/mm |
| Classification acc. to CTM 312 | 105 AA | 125 AA |
| Temperature range | -25 to +105 °C | -25 to +125 °C |

Coroplast 505, 512, 513

Halogen-free wire harness tapes, based on elastomer-modified PP blends

Applications, advantages and properties

- › For bundling and binding wire harnesses
- › Short tearing with high degree of elongation
- › Can be applied fold-free on all uneven surfaces due to high flexibility
- › Compatible with special automotive cables made of PP or XPE
- › Very high resistance against high and low temperatures
- › Very high chemical resistance
- › Halogen-free
- › Solvent-free adhesive
- › Heat-resistant: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$ for 3,000 h in combination with PP and XPE cables, $+105\text{ }^{\circ}\text{C}$ for 3,000 h in combination with PVC cables

513

- › optimized processing behavior for manual bundling of wire harnesses



Coroplast 512

| Technical data | 505 | 512 | 513 |
|--------------------------------|---|---|---|
| Carrier | elastomer-modified polypropylene film | elastomer-modified polypropylene film | elastomer-modified polypropylene film |
| Adhesive | acrylic | acrylic | acrylic |
| Thickness | 0.12 mm | 0.15 mm | 0.15 mm |
| Colours | black, other colours available on request | black, other colours available on request | black |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 25 m | 25 m | 25 m |
| Tensile strength | 18 N/cm | 20 N/cm | 20 N/cm |
| Elongation at break | 350 % | 500 % | 650 % |
| Adhesion to steel | 2.0 N/cm | 2.0 N/cm | 2.3 N/cm |
| Dielectric strength | > 40 kV/mm | > 40 kV/mm | > 40 kV/mm |
| Classification acc. to CTM 312 | 125 AA | 125 AA | 125 AA |
| Temperature range | -40 to $+125\text{ }^{\circ}\text{C}$ | -40 to $+125\text{ }^{\circ}\text{C}$ | -40 to $+125\text{ }^{\circ}\text{C}$ |

Coroplast 8300 series

Polyester cloth tapes for wire harnesses

Applications, advantages and properties

- › For bundling and binding wire harnesses
- › For the presentation of an abrasion-resistant and attractive appearance
- › Dense textile structure
- › Resistant to ageing and rotting
- › Very good resistance to cold and heat

8310 SE / 8320 SE

- › Heat-resistant up to +150 °C in combination with ETFE and FEP wires and up to +105 °C for 3,000 h in combination with PVC wires
- › Solvent-free synthetic rubber with high adhesion
- › Coroplast 8310 SE for manual application, Coroplast 8320 SE for machine application
- › Flammability class V1 according to UL94

8380

- › Increased abrasion resistance
- › Solvent-free synthetic rubber with high adhesion
- › Rubber-based adhesive with low fogging values
- › New generation of PET cloth wire harness tapes with synthetic rubber

837 X / 838 X

- › Increased abrasion resistance
- › Highly suitable for engine compartment and engine block applications
- › Highly heat-resistant
- › Excellent resistance to motor vehicle operating fluids
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › Solvent-free acrylic adhesive
- › Coroplast 837 X for manual application, Coroplast 838 X for machine application

8375 X

- › For an optically attractive appearance of the wire harness
- › Increased heat resistance

839

- › In accordance with ECE-R118/03
- › Easy to tear by hand
- › Attractive appearance on wire harnesses

839 X

- › Easy to tear by hand
- › Attractive appearance on wire harnesses
- › Highly heat-resistant
- › Excellent resistance to motor vehicle operating fluids
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › Solvent-free acrylic adhesive



Coroplast 838 X

835

- › Increased abrasion resistance
- › Easy to tear by hand
- › Solvent-free synthetic rubber with high adhesion
- › Developed by Coroplast in continuation and modification of a patented technology, industry's first highly abrasion-resistant and easy to tear by hand product of its kind

835 X

- › Increased abrasion resistance
- › Easy to tear by hand
- › Highly heat-resistant
- › Excellent resistance to motor vehicle operating fluids
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › Solvent-free acrylic adhesive
- › Developed by Coroplast in continuation and modification of a patented technology, industry's first tearable and highly abrasion-resistant product of its kind



Coroplast 837 X

| Technical data | 8310 SE/8320 SE | 8380 | 837 X/838 X | 8375 X |
|--------------------------------|--|--------------------|---|---|
| Carrier | PET cloth | PET cloth | PET cloth | PET cloth |
| Adhesive | synthetic rubber | synthetic rubber | acrylic | acrylic |
| Thickness | 0.27 mm | 0.27 mm | 0.27 mm | 0.27 mm |
| Colours | black, orange | black | black, orange, violet, blue, gray, yellow | black, orange, other colours available on request |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 8310 SE: 25 m 8320 SE: 50, 66 and 75m | 25 and 50 m | 837 X: 25 m 838 X: 50 and 66 m | 25 m |
| Tensile strength | 240 N/cm | 240 N/cm | 250 N/cm | 240 N/cm |
| Elongation at break | 30 % | 30 % | 30 % | 30 % |
| Adhesion to steel | 4.8 N/cm | 4.0 N/cm | 4.9 N/cm | 4.6 N/cm |
| Classification acc. to CTM 312 | 105/150 C/DA | 105/150 DA | 150 DA | 125 DA |
| Temperature range | -40 to +105/150 °C | -40 to +105/150 °C | -40 to +150 °C | -40 to +125 °C |

*5 mm mandrel/10 mandrel

| Technical data | 839 | 839 X | 835 | 835 X |
|--------------------------------|---|---|---------------------------------|---------------------------------|
| Carrier | PET cloth, easy to tear by hand | PET cloth, easy to tear by hand | PET cloth, easy to tear by hand | PET cloth, easy to tear by hand |
| Adhesive | synthetic rubber | acrylic | synthetic rubber | acrylic |
| Thickness | 0.16 mm | 0.18 mm | 0.31 mm | 0.31 mm |
| Colours | black, other colours available on request | black, other colours available on request | black | black |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 25 and 50 m | 25 and 50 m | 25 m | 25 m |
| Tensile strength | 60 N/cm | 70 N/cm | 65 N/cm | 65 N/cm |
| Elongation at break | 30 % | 35 % | 25 % | 22 % |
| Adhesion to steel | 4.8 N/cm | 4.0 N/cm | 4.8 N/cm | 4.0 N/cm |
| Classification acc. to CTM 312 | 125 BA | 150 BA | 125 C/DA | 150 DA |
| Temperature range | -40 to +125 °C | -40 to +150 °C | -40 to +125 °C | -40 to +150 °C |

*5 mm mandrel/10 mandrel

Coroplast 8500 series

Stitch-bonded non-woven polyester adhesive tapes for wire harnesses

Applications, advantages and properties

- › For bundling and binding wire harnesses
- › Material structure pleasant to the touch
- › Suitable for sound-dampening and rattle suppression in the transportation industry
- › Resistant to ageing and rotting
- › Very good resistance to cold and heat



Coroplast 8550

8551

- › Standard tape for general rattle suppression
- › Solvent-free synthetic rubber with good adhesion
- › Very easy to apply due to easy-tear property

8550 / 8560

- › Standard tape for better abrasion resistance and rattle suppression
- › Solvent-free synthetic rubber with good adhesion
- › Very easy to apply due to easy-tear property
- › Coroplast 8550 for manual application, Coroplast 8560 for machine application
- › Available in various colours for colour-coding
- › In accordance with ECE-R118/03

8550 X / 8560 X

- › Standard tape for better abrasion resistance and rattle suppression
- › Solvent-free acrylic adhesive
- › Very easy to apply due to easy-tear property
- › Coroplast 8550 X for manual application, Coroplast 8560 X for machine application
- › Increased temperature resistance

8553 X / 8563 X

- › OEM-specific version of Coroplast 8550 X
- › Solvent-free acrylic adhesive
- › Coroplast 8553 X for manual application, Coroplast 8563 X for machine application

8510 / 8520

- › Increased resistance and rattle suppression
- › Solvent-free synthetic rubber with good adhesion
- › Easy to tear by hand
- › Coroplast 8510 for manual application, Coroplast 8520 for machine application

| Technical data | 8551 | 8550 / 8560 | 8550 X / 8560 X | 8553 X / 8563 X | 8510 / 8520 |
|--------------------------------|---------------------|---|------------------------------|-------------------------|--------------------------|
| Carrier | PET non-woven | PET non-woven | PET non-woven | PET non-woven | PET non-woven |
| Adhesive | synthetic rubber | synthetic rubber | acrylic | acrylic | synthetic rubber |
| Thickness | 0.22 mm | 0.3 mm | 0.3 mm | 0.3 mm | 0.5 mm |
| Colours | black | black, orange, white, red, blue, brown, green, yellow | black | black | black |
| Widths | 9, 15, 19 and 25 mm | 9, 15, 19 and 25 mm | 9, 12, 15, 19 and 25 mm | 9, 12, 15, 19 and 25 mm | 9, 15, 19 and 25 mm |
| Lengths | 15 m, 25 m and 50 m | 8550: 25 m 8560: 50 m | 8550 X: 25 m 8560 X: 50 m | 25 m | 8510: 10 m 8520: 33 m |
| Tensile strength | 30 N/cm | 32 N/cm | 32 N/cm | 32 N/cm | 42 N/cm |
| Elongation at break | 20 % | 20 % | 20 % | 20 % | 19 % |
| Adhesion to steel | 4.0 N/cm | 4.0 N/cm | 2.5 N/cm | 2.6 N/cm | 6.0 N/cm |
| Classification acc. to CTM 312 | 105 AC | 105 BC | 125 BC | 125 BC | 105 BC |
| Temperature range | -40 to +105 °C | -40 to +105 °C | -40 to +125 °C | -40 to +125 °C | -40 to +105 °C |

8515 X

- › Solvent-free acrylic adhesive
- › Increased heat resistance

8570/8580

- › High rattle suppression properties
- › Solvent-free synthetic rubber with good adhesion
- › Increased abrasion resistance
- › Easy to tear by hand
- › Coroplast 8570 for manual application, Coroplast 8580 for machine application

8571, 8572/8582

- › OEM-specific version of Coroplast 8570 with modified thickness requirements
- › Solvent-free synthetic rubber with good adhesion
- › High rattle suppression properties
- › Increased abrasion resistance
- › Easy to tear by hand
- › Coroplast 8572 for manual application, Coroplast 8582 for machine application

8575 X

- › High rattle suppression properties
- › Solvent-free acrylic adhesive
- › Increased abrasion resistance
- › Tearable by hand

8579 X

- › Outstanding rattle suppression properties
- › Solvent-free acrylic adhesive
- › Very good abrasion resistance



Coroplast 8560

| Technical data | 8515 X | 8571, 8572/8582 | 8570/8580 | 8575 X | 8579 X |
|--------------------------------|----------------|------------------------------------|-------------------------|----------------|----------------|
| Carrier | PET non-woven | PET non-woven | PET non-woven | PET non-woven | PET non-woven |
| Adhesive | acrylic | synthetic rubber | synthetic rubber | acrylic | acrylic |
| Thickness | 0.5 mm | 8571: 0.7 mm; 8572/8582: 0.8 mm | 0.9 mm | 0.9 mm | 1.0 mm |
| Colours | black | black, orange | black | black | black |
| Widths | 19 and 25 mm | 19 and 25 mm | 19 and 25 mm | 19 mm | 19 mm |
| Lengths | 10 m | 8571, 8572: 7.5 m 8582: 15 m | 8570: 5 m 8580: 10 m | 5 m | 5 m |
| Tensile strength | 40 N/cm | 27 N/cm | 29 N/cm | 30 N/cm | 35 N/cm |
| Elongation at break | 20 % | 17 % | 19 % | 20 % | 25 % |
| Adhesion to steel | 6.0 N/cm | 4.8 N/cm | 5.2 N/cm | 3.2 N/cm | 2.5 N/cm |
| Classification acc. to CTM 312 | 125 BC | 105 DD | 105 DD | 125 DD | 125 DD |
| Temperature range | -40 to +125 °C | -40 to +105 °C | -40 to +105 °C | -40 to +125 °C | -40 to +125 °C |

Coroplast 8750

Fleece polyester adhesive tape



Coroplast 8750

Coroplast 829

Polyester 'Technowoven' tape



Coroplast 829

Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Can be torn laterally
- › Smooth carrier material
- › Solvent-free adhesive
- › Resistant to ageing and rotting

Applications, advantages and properties

- › For bundling and binding wire harnesses in various applications
- › Innovative design of the carrier material with repellent properties against fluids
- › For an optically attractive appearance of the wire harness
- › Resistant to ageing and rotting
- › Easy to tear by hand
- › Good temperature resistance
- › Plain surface
- › Good repellent properties against operating fluids

| Technical data | 8750 | 829 |
|--------------------------------|------------------|---|
| Carrier | PET fleece | surface-optimised PET non-woven/Technowoven |
| Adhesive | synthetic rubber | synthetic rubber |
| Thickness | 0.3 mm | 0.19 mm |
| Colours | black | black |
| Widths | 9 and 19 mm | 9, 19 and 25 mm |
| Lengths | 25 m | 25 and 50 m |
| Tensile strength | 30 N/cm | 36 N/cm |
| Elongation at break | 20 % | 12 % |
| Adhesion to steel | 4.0 N/cm | 3.1 N/cm |
| Classification acc. to CTM 312 | 105 AC | 125 AB |
| Temperature range | -40 to +105 °C | -40 to +125 °C |

Coroplast ST series

Wire harness tapes made from recycled polyester



Coroplast 8951 ST

Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Supports the sustainable production of wire harnesses
- › Resistant to ageing and rotting
- › Very good temperature resistance

8937 STX

- › Increased abrasion resistance
- › Highly suitable for engine compartment and engine block applications
- › Excellent resistance to motor vehicle operating fluids
- › Solvent-free acrylic adhesive

8939 ST

- › Easy to tear by hand
- › Solvent-free synthetic rubber with high adhesion

8951 ST

- › Sustainable tape for general rattle suppression
- › Very easy to apply due to easy-tear property
- › Solvent-free synthetic rubber with good adhesion

8971 ST

- › High rattle suppression properties
- › Increased abrasion resistance
- › Solvent-free synthetic rubber with good adhesion
- › Easy to tear by hand

| Technical data | 8937 STX | 8939 ST | 8951 ST | 8971 ST |
|--------------------------------|-----------------|------------------|--------------------|--------------------|
| Carrier | rPET cloth | rPET cloth | PET/rPET non-woven | PET/rPET non-woven |
| Adhesive | acrylic | synthetic rubber | synthetic rubber | synthetic rubber |
| Thickness | 0.25 mm | 0.16 mm | 0.24 mm | 0.7 mm |
| Colours | black | black | black | black |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 25 m | 25 m | 25 m | 7,5 m |
| Tensile strength | 240 N/cm | 70 N/cm | 30 N/cm | 27 N/cm |
| Elongation at break | 50 % | 20 % | 20 % | 17 % |
| Adhesion to steel | 5.5 N/cm | 4.3 N/cm | 4.0 N/cm | 3.6 N/cm |
| Classification acc. to CTM 312 | 150 DA | 125 AA | 105 AC | 105 DD |
| Temperature range | -40 to +150 °C | -40 to +125 °C | -40 to +105 °C | -40 to +105 °C |

Coroplast 8440 X, 8770 X

Acoustic adhesive tape



Coroplast 8440 X



Coroplast 8770 X

Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Extremely resistant to cold and heat
- › Excellent alternative to foam adhesive tapes
- › Very high sound-dampening properties
- › Resistant to ageing and rotting

8440 X

- › special acoustic fleece carrier with low volume weight
- › highest sound damping according to CTM 312 (class E)

8770 X

- › stable PET fleece carrier
- › excellent sound damping properties with class D (according to CTM 312)

| Technical data | 8440 X | 8770 X |
|--------------------------------|----------------|----------------|
| Carrier | PET fleece | PET fleece |
| Adhesive | acrylic | acrylic |
| Thickness | 2.0 mm | 0.75 mm |
| Colours | black | black |
| Widths | 19 and 25 mm | 19 and 25 mm |
| Lengths | 5 m | 7.5 m |
| Tensile strength | 55 N/cm | 45 N/cm |
| Elongation at break | 54 % | 45 % |
| Adhesion to steel | 1.7 N/cm | 3.5 N/cm |
| Classification acc. to CTM 312 | 125 BE | 125 BD |
| Temperature range | -40 to +125 °C | -40 to +125 °C |

Coroplast 880, 880 X

PA velour tapes for wire harnesses



Coroplast 880 X

Applications, advantages and properties

- › For manual bundling and binding for machine bundling of wire harnesses
- › High abrasion resistance
- › Suitable for use with hook tape (Velcro®)
- › Excellent sound-dampening properties
- › Resistant to ageing and rotting
- › Optically high-quality, soft carrier
- › Good resistance to cold and heat

880

- › Solvent-free synthetic rubber

880 X

- › High temperature resistance
- › Excellent resistance to motor vehicle operating fluids
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › Solvent-free acrylic adhesive
- › Weight-reduced velour wire harness tape

| Technical data | 880 | 880 X |
|--------------------------------|------------------|----------------|
| Carrier | PA velour | PA velour |
| Adhesive | synthetic rubber | acrylic |
| Thickness | 1.0 mm | 1.0 mm |
| Colours | black | black |
| Widths | 19 and 25 mm | 19 and 25 mm |
| Lengths | 5 m | 5 m |
| Tensile strength | 160 N/cm | 160 N/cm |
| Elongation at break | 60 % | 60 % |
| Adhesion to steel | 5.3 N/cm | 1.8 N/cm |
| Classification acc. to CTM 312 | 105 DE | 125 DE |
| Temperature range | -40 to +105 °C | -40 to +125 °C |

Coroplast MPX series

Abrasion-resistant tapes for heavy-duty mechanical protection

Applications, advantages and properties

- › For manual bundling of wire harnesses
- › High abrasion resistance
- › Very good resistance to cold and heat
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › Excellent resistance to motor vehicle operating fluids
- › Solvent-free acrylic adhesive
- › Resistant to ageing and rotting

823 MPX

- › Polyamide cloth adhesive tape
- › High abrasion resistance at low thickness
- › Dense textile structure of PA carrier
- › Tear-proof
- › Protection against rodent bites
- › Especially suitable for the protection of HV cables
- › Suitable for machine use

832 MPX

- › Properties similar to 823 MPX
- › Suitable for cable protection in accordance with ADR 2017

833 MPX

- › Multilayer PET cloth/non-woven adhesive tape
- › Excellent sound-dampening properties
- › High abrasion resistance
- › See handling instructions for final wrapping
- › Suitable for impact protection (drop energy class B/B)

834 MPX

- › Multilayer PET/PA adhesive tape
- › Excellent sound-dampening properties
- › Extremely high abrasion resistance
- › Suitable for impact protection (drop energy class B/C)
- › Protection against rodent bites



Coroplast 823 MPX

| Technical data | 823 MPX/832 MPX | 833 MPX | 834 MPX |
|--------------------------------|------------------------------------|---|--|
| Carrier | PA cloth | laminated PET cloth/stitch-bonded PET non-woven | laminated PA cloth/stitch-bonded PET non-woven |
| Adhesive | acrylic | acrylic | acrylic |
| Thickness | 0.35 mm | 1.3 mm | 1.5 mm |
| Colours | black, white, orange, blue, violet | black, orange | black, orange, gray |
| Widths | 19, 25 and 38 mm | 19, 25 and 38 mm | 19, 25 and 38 mm |
| Lengths | 15 m | 5 m | 5 m |
| Tensile strength | 450 N/cm | 270 N/cm | 500 N/cm |
| Elongation at break | 40 % | 30 % | 50 % |
| Adhesion to steel | 3.0 N/cm | 3.0 N/cm | 3.0 N/cm |
| Classification acc. to CTM 312 | 125 EA | 125 ED | 125 GD |
| Temperature range | -40 to +125 °C | -40 to +125 °C | -40 to +125 °C |

Coroplast 1237 ES LT4

Screening attenuation tape

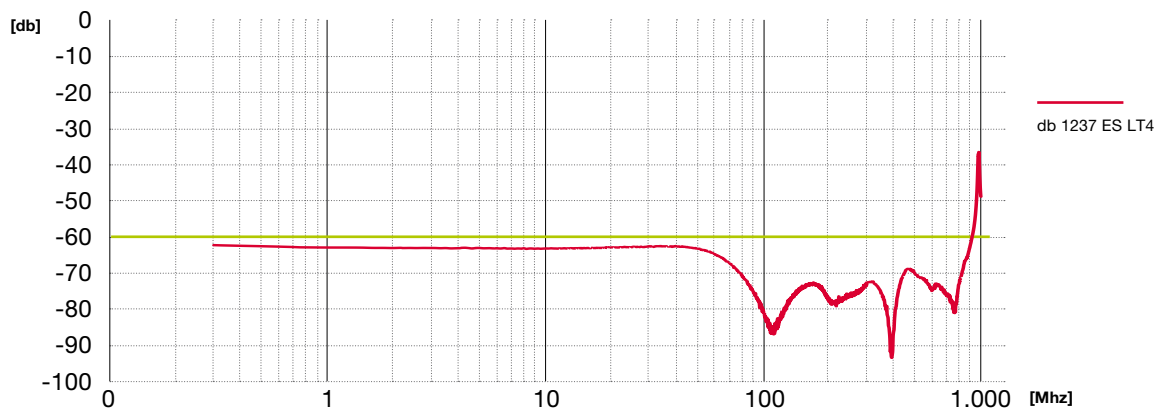
Applications, advantages and properties

- › Specially developed for a high EMI shielding effect
- › Developed specifically to minimize the contact between adhesive and wire bundle allowing maximum flexibility of harness (schematic tape construction on page 27)
- › Solvent-free acrylic adhesive
- › Low-emission and halogen-free
- › PVC-compatible
- › High chemical resistance
- › Resistant to ageing and rotting
- › Excellent resistance to cold and heat
- › Please see handling instructions



Coroplast 1237 ES LT4

Screening attenuation



| Technical data | 1237 ES LT4 |
|--------------------------------|--|
| Carrier | Special aluminium / PET cloth laminate |
| Adhesive | acrylic |
| Thickness | 0.28 mm |
| Colours | black/orange and aluminum-coloured |
| Widths | 79 and 190 mm |
| Lengths | 50 m |
| Tensile strength | 200 N/cm |
| Elongation at break | 35 % |
| Adhesion to steel | 5.0 N/cm |
| Classification acc. to CTM 312 | 125 DA |
| Temperature range | -40 to +125 °C |

Coroplast 1288 X, 1289 X

Heat reflection tapes

Applications, advantages and properties

- › Specially compounded adhesive made of aluminium and PET cloth
- › Heat reflection adhesive tapes for manual bundling of wire harnesses that are exposed to high radiant heat
- › High-quality EFTE cables can be replaced by cables with a lower temperature class (e.g. XPE cables) due to a significant drop in inner harness temperature by reflecting the radiant heat (see graph)
- › 3,000 h heat resistance at 125 °C when glued, short term up to 240 h at 150 °C depending on cable material (inner temperature)
- › Outstanding chemical resistance to motor vehicle and other operating fluids
- › Excellent resistance to cold and heat
- › Resistant to ageing and rotting
- › Compatible with many cable insulation materials (e.g. XPE and PP)
- › PVC-compatible

1288 X

- › Very stable, abrasion- and tear-resistant textile carrier
- › In accordance with ECE-R118/03

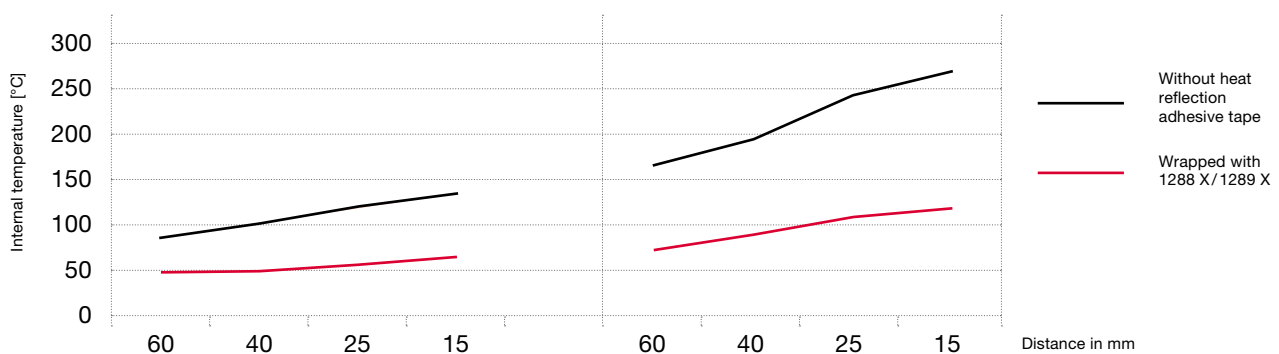
1289 X

- › Laminated carrier easy to tear by hand



Coroplast 1288 X

Distance from heat source 350 °C / 540 °C



| Technical data | 1288 X | 1289 X |
|------------------------|---|---|
| Carrier | Special aluminium foil/PET cloth laminate | Special aluminium foil/PET cloth laminate |
| Adhesive | acrylic | acrylic |
| Thickness | 0.30 mm | 0.23 mm |
| Colours | aluminium-coloured | aluminium-coloured |
| Widths | 19 and 25 mm | 19 and 25 mm |
| Lengths | 25 m | 25 m |
| Tensile strength | 240 N/cm | 60 N/cm |
| Elongation at break | 30 % | 15 % |
| Adhesion to steel | 3.0 N/cm | 4.2 N/cm |
| Classification CTM 312 | 125 DA | 125 BA |
| Temperature range | -40 to +150 °C | -40 to +150 °C |

Coroplast 8600 series

Heat resistant wire harness tapes



Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Especially suitable for applications that demand extreme heat resistance (e.g. in engine compartments)
- › Exceeds the requirements of temperature class E according to CTM 312
- › Good adhesive characteristics on most surfaces
- › High tear resistance
- › Resistance to ageing and rotting

8606

- › Meets the requirements of thermal classification T6 according to Renault/PSA specifications (200 °C load)
- › Extremely resistant to chemicals
- › Self-extinguishing

8608

- › Extremely high temperature resistance with additional high heat reflecting properties enables heat management in narrow spaces with low airflow
- › Extremely resistant against chemicals

8606 X

- › High short-term heat resistance up to 500 °C (10 min)
- › Extreme chemical resistance

8608 X

- › High heat reflection properties
- › Extreme chemical resistance

| Technical data | 8606 | 8608 | 8606 X | 8608 X |
|--------------------------------|---|------------------------------------|----------------|---|
| Carrier | glass cloth | laminate aluminium/ glass cloth | glass cloth | special aluminium / glass cloth laminate |
| Adhesive | thermosetting silicone- based adhesive | silicone-based acrylic | acrylic | acrylic |
| Thickness | 0.18 mm | 0.20 mm | 0.15 mm | 0.20 mm |
| Colours | white | aluminium-coloured | orange | aluminium-coloured |
| Widths | 19 mm | 19 and 25 mm | 19 mm | 19 and 25 mm |
| Lengths | 25 m | 25 m | 25 m | 25 m |
| Tensile strength | 220 N/cm | 300 N/cm | 200 N/cm | 300 N/cm |
| Elongation at break | 5 % | 5 % | 6 % | 5 % |
| Adhesion to steel | 3.0 N/cm | 2.5 N/cm | 3.5 N/cm | 1.7 N/cm |
| Classification acc. to CTM 312 | 175 AA | 175 DA | 175 AA | 175 AA |
| Temperature range | -40 to +225 °C | -40 to +200 °C | -40 to +250 °C | -40 to +200 °C |

Coroplast SLX series

Adhesive tapes for lightweight wire harnesses



Coroplast 856 SLX

Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Light weight achieved by low area weight
- › Cost-optimised product design
- › Compatible with many cable insulation materials

836 SLX

- › PET cloth adhesive tape, easy to tear by hand
- › Extremely heat-resistant
- › Resistant to ageing and rotting
- › Good resistance to chemicals and motor vehicle operating fluids

856 SLX

- › Stitch-bonded, non-woven polyester adhesive tape, easy to tear by hand
- › Heat-resistant
- › Resistant to ageing and rotting
- › Good resistance to chemicals and motor vehicle operating fluids
- › Flammability class V0 according to UL94

876 SLX

- › Non-woven polyester adhesive tape, hand-tearable
- › Extremely heat-resistant
- › Resistant to ageing and rotting
- › Good resistance to chemicals and motor vehicle operating fluids

| Technical data | 836 SLX | 856 SLX | 876 SLX |
|--------------------------------|-----------------|-----------------|-----------------|
| Carrier | PET cloth | PET non-woven | PET fleece |
| Adhesive | acrylic | acrylic | acrylic |
| Thickness | 0.14 mm | 0.28 mm | 0.3 mm |
| Colours | black | black | black |
| Widths | 9, 19 and 25 mm | 9, 19 and 25 mm | 9, 19 and 25 mm |
| Lengths | 25 m | 25 m | 15 m |
| Tensile strength | 65 N/cm | 30 N/cm | 22 N/cm |
| Elongation at break | 15 % | 15 % | 30 % |
| Adhesion to steel | 3.5 N/cm | 2.2 N/cm | 3.5 N/cm |
| Classification acc. to CTM 312 | 150 AA | 125 AC | 150 AC |
| Temperature range | -40 to +150 °C | -40 to +125 °C | -40 to +150 °C |

Coroplast 8002, 8005, 8302

Splice tapes



Coroplast 8002

Coroplast 8005

Coroplast 8302

Applications, advantages and properties

- › For bundling of wire harnesses, cable junctions and solder joints
- › For manual and machine wrapping of wire harnesses on special bundling machines
- › Good dielectric properties
- › High adhesion
- › Solvent-free synthetic rubber adhesive
- › Good resistance to ageing and rotting

8002

- › Acrylic-coated spun rayon fabric
- › Can easily be torn laterally by hand
- › Moisture-repellent surface

8005

- › Acrylic-coated PET cloth
- › Rot-resistant cloth carrier
- › Can easily be torn laterally by hand
- › Moisture-repellent surface

8302

- › Dense textile structure of cloth
- › Dielectric strength of 8 kV/mm
- › Controlled unwind force for machine use

| Technical data | 8002 | 8005 | 8302 |
|--------------------------------|----------------------------------|---|--------------------------------------|
| Carrier | acrylic-coated spun rayon fabric | acrylic-coated PET cloth | dense textile structure of PET cloth |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber |
| Thickness | 0.23 mm | 0.23 mm | 0.25 mm |
| Colours | black | black, other colours available on request | black |
| Widths | 38 and 50 mm | 38 and 50 mm | 19, 25, 38 and 50 mm |
| Lengths | 25 and 50 m | 25 and 50 m | 50 m |
| Tensile strength | 85 N/cm | 82 N/cm | 220 N/cm |
| Elongation at break | 10 % | 30 % | 30 % |
| Adhesion to steel | 5.2 N/cm | 5.5 N/cm | 4.8 N/cm |
| Classification acc. to CTM 312 | 105 BA | 105 BA | 105 CA |
| Temperature range | -40 to +105 °C | -40 to +105 °C | -40 to +105 °C |

Coroplast RT series

Reverse tapes for flexible wire harness bundling

Applications, advantages and properties

- › Developed specifically to minimise the contact between adhesive and wire bundle allowing maximum flexibility of harness
- › For use in confined areas and limited installation spaces
- › Very good resistance to cold and heat
- › Good chemical resistance
- › Solvent-free adhesive
- › Resistance to ageing and rotting
- › Available in R (right) and L (left) versions
- › Perform final wrapping with tape wound onto itself
- › High sealing strength of the spiral wrapping (adhesive to adhesive)



Coroplast 833 MPX RT

839 RT

- › PET cloth adhesive tape, easy to tear by hand
- › Solvent-free synthetic rubber adhesive
- › Abrasion-resistant
- › For narrow assembly spaces

8550 RT

- › Stitch-bonded, non-woven PET adhesive tape
- › Solvent-free synthetic rubber adhesive
- › Good sound-dampening

8551 RT

- › Thin PET non-woven tape, easy to tear by hand
- › Solvent-free synthetic rubber adhesive
- › General sound-dampening

837 X RT

- › Extremely heat-resistant
- › Very good abrasion resistance
- › Solvent-free acrylic adhesive
- › Tear-proof

835 X RT

- › Easy to tear by hand
- › Extremely heat-resistant
- › High abrasion resistance
- › Solvent-free acrylic adhesive

880 X RT

- › Very good heat and tear resistance
- › Very good sound-dampening properties
- › High abrasion resistance

Please see handling instructions for these products, which we will gladly provide you with.

| Technical data | 839 RT | 8550 RT | 8551 RT | 837 X RT | 835 X RT |
|--------------------------------|------------------|------------------|------------------|----------------|----------------|
| Carrier | PET cloth | PET non-woven | PET non-woven | PET cloth | PET cloth |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber | acrylic | acrylic |
| Thickness | 0.3 mm | 0.5 mm | 0.45 mm | 0.5 mm | 0.55 mm |
| Colours | black | black | black | black, orange | black |
| Widths | 35 and 50 mm | 35 and 50 mm | 35 and 50 mm | 35 and 50 mm | 35 and 50 mm |
| Lengths | 10 m | 10 m | 10 m | 10 m | 10 m |
| Tensile strength | 100 N/cm | 50 N/cm | 50 N/cm | 320 N/cm | 68 N/cm |
| Elongation at break | 27 % | 20 % | 20 % | 30 % | 22 % |
| Adhesion to steel | 4.5 N/cm | 4.2 N/cm | 4.5 N/cm | 4.5 N/cm | 4.0 N/cm |
| Classification acc. to CTM 312 | 125 CA | 105 BD | 105 BC | 105/150 EB | 150 DB |
| Temperature range | -40 to +125 °C | -40 to +105 °C | -40 to +105 °C | -40 to +150 °C | -40 to +150 °C |

832 MPX RT

- › Polyamide cloth adhesive tape
- › Maximum abrasion resistance
- › Dense textile structure of PA carrier
- › Tear-proof
- › Protection against rodent bites

833 MPX RT

- › Multilayer PET adhesive tape
- › Additional excellent sound-dampening properties
- › Very high abrasion resistance
- › Tear-proof

834 MPX RT

- › Multilayer PET/PA adhesive tape
- › Excellent sound-dampening properties
- › Outstanding abrasion resistance
- › Tear-proof
- › Suitable for impact protection

Schematic tape construction on page 27.

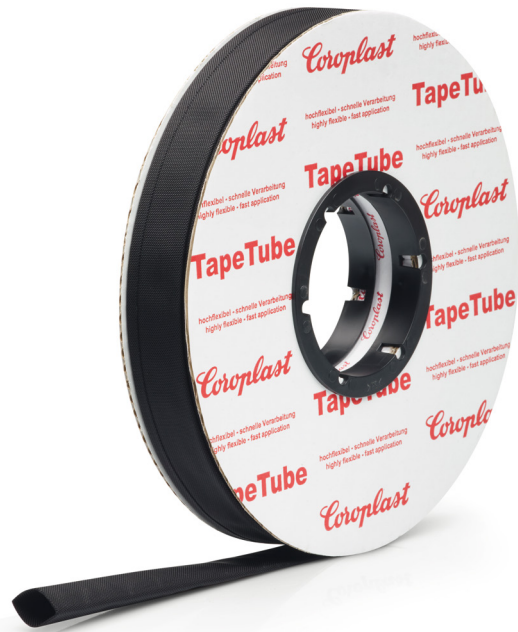


Coroplast 832 MPX RT

| Technical data | 880 X RT | 832 MPX RT | 833 MPX RT | 834 MPX RT |
|--------------------------------|---------------------|----------------|-------------------------|-------------------------------|
| Carrier | PA velour/PET cloth | PA cloth | PET cloth/PET non-woven | lamine PA cloth/PET non-woven |
| Adhesive | acrylic | acrylic | acrylic | acrylic |
| Thickness | 1.2 mm | 0.7 mm | 1.2 mm | 1.2 mm |
| Colours | black | black, orange | black | black |
| Widths | 35 and 50 mm | 35 and 50 mm | 35 and 50 mm | 35 and 50 mm |
| Lengths | 10 m | 10 m | 10 m | 10 m |
| Tensile strength | 360 N/cm | 500 N/cm | 290 N/cm | 550 N/cm |
| Elongation at break | 37 % | 50 % | 32 % | 55 % |
| Adhesion to steel | 4.5 N/cm | 3.0 N/cm | 3.0 N/cm | 4.6 N/cm |
| Classification acc. to CTM 312 | 125 EE | 125 GB | 125 ED | 125 FD |
| Temperature range | -40 to +125 °C | -40 to +125 °C | -40 to +125 °C | -40 to +125 °C |

Coroplast 837 X TT, 832 MPX TT

TapeTubes for highly flexible wire harness protection



Coroplast 832 MPX TT

Applications, advantages and properties

- › Developed specifically to eliminate the contact between adhesive and wire bundle allowing maximum harness flexibility
- › Especially suitable for time-saving processes on long harness sections without junctions
- › Very good resistance to cold and heat
- › Compressible, therefore advantaged in assembly and logistics compared to other covering systems
- › Solvent-free adhesive
- › Halogen-free
- › PVC-compatible
- › Very good chemical resistance
- › No 'inner' abrasion

837 X TT

- › Highly temperature resistant
- › High abrasion resistance
- › Tear-proof

832 MPX TT

- › Multilayer PA cloth
- › Outstanding abrasion resistance
- › Dense textile structure of PA carrier
- › Tear-proof
- › Suitable for cable protection in accordance with ADR 2017

| Technical data | 837 X TT | 832 MPX TT |
|--------------------------------|----------------|----------------|
| Carrier | PET cloth | PA cloth |
| Adhesive | acrylic | acrylic |
| Thickness | 0.46 mm | 0.7 mm |
| Colours | black, orange | black, orange |
| Diameter | 10 – 58 mm | 15 – 58 mm |
| Lengths | 15 – 450 m | 15 – 450 m |
| Tensile strength | 320 N/cm | 500 N/cm |
| Elongation at break | 25 % | 50 % |
| Classification acc. to CTM 312 | 150 EB | 125 GB |
| Temperature range | -40 to +150 °C | -40 to +125 °C |

Coroplast LT series

Sleeve tapes for longitudinal wire harness bundling



Coroplast 837 X LT

Applications, advantages and properties

- › Developed specifically to minimise the contact between adhesive and wire bundle allowing maximum flexibility of harness
- › Very good resistance to cold and heat
- › Good chemical resistance
- › Solvent-free adhesive
- › Resistance to ageing and rotting
- › Please see handling instructions

837 X LT

- › Sleeve adhesive tape with polyester textile carrier
- › Extremely heat-resistant for engine compartment applications
- › Tear-proof

837 X LT1, 837 X LT4, 837 X LT7

- › Sleeve adhesive tape with polyester textile carrier
- › Extremely heat-resistant for engine compartment applications
- › High abrasion resistance
- › Tear-proof

1288 X LT1

- › Sleeve adhesive tape made of an aluminium foil and PET cloth laminate
- › Inside temperature of the wire harness is drastically reduced through reflection of the radiant heat
- › Extremely heat-resistant for engine compartment applications
- › In accordance with ECE-R118/03

8550 LT

- › Sleeve adhesive tape with stitch-bonded, PET non-woven carrier
- › Solvent-free synthetic rubber adhesive
- › A very sound-dampening carrier
- › Extra widths for flat wire harnesses (e.g. 350 mm)

Sleeve application tapes are also available as die-cut parts for simple and efficient processing, depending on type and carrier.
Schematic tape construction on page 27.

| Technical data | 837 X LT | 837 X LT1 | 837 X LT4 | 837 X LT7 | 1288 X LT1 | 8550 LT |
|--------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--|----------------------------|
| Carrier | PET cloth | PET cloth | PET cloth | PET cloth | Special aluminium/ PET cloth laminate | PET non-woven |
| Adhesive | acrylic | acrylic | acrylic | acrylic | acrylic | synthetic rubber |
| Sleeve thickness | 0.2 mm | 0.5 mm | 0.5 mm | 0.45 mm | 0.3 mm | 0.25/0.55 mm |
| Colours | black | black | black | black | aluminium-coloured | black |
| Widths* | 80, 115, 130 and 180 mm | 80, 115, 130 and 180 mm | 80, 115, 130 and 180 mm | 80, 115, 130 and 180 mm | 80, 115, 130 and 180 mm | 80, 115, 130 and 180 mm |
| Lengths | 50 m | 50 m | 50 m | 50 m | 50 m | 50 m |
| Tensile strength | 250 N/cm | 400 N/cm | 480 N/cm | 400 N/cm | 240 N/cm | 32 N/cm |
| Elongation at break | 30 % | 22 % | 22 % | 22 % | 27 % | 20 % |
| Adhesion to steel | 4.0 N/cm | 4.0 N/cm | 4.0 N/cm | 5.5 N/cm | 3.0 N/cm | 6.0 N/cm |
| Classification acc. to CTM 312 | 150 BA | 150 EB | 150 EB | 150 DB | 125 CA | 105 AC |
| Temperature range | -40 to +150 °C | -40 to +150 °C | -40 to +150 °C | -40 to +150 °C | -40 to +125 °C | -40 to +105 °C |

*other widths available on request

Coroplast 8750 S

Strip-coated adhesive tapes for highly flexible wire harness bundling



Coroplast 8750 S

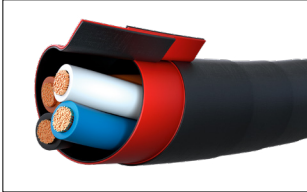
Applications, advantages and properties

- › Developed specifically to minimise the contact between adhesive and wire bundle allowing maximum harness flexibility
- › Light-weight due to particular coating
- › Good resistance to cold and heat
- › Resistant to ageing and rotting
- › Solvent-free adhesive
- › Halogen-free
- › PVC-compatible
- › Apply final wrapping with a standard wire harness tape (e.g. 8750)
- › For interior use in narrow assembling spaces

| Technical data | 8750 S |
|--------------------------------|------------------|
| Carrier | PET fleece |
| Adhesive | synthetic rubber |
| Thickness | 0.3 mm |
| Colours | black |
| Widths | 25 and 38 mm |
| Lengths | 25 m |
| Tensile strength | 30 N/cm |
| Elongation at break | 40 % |
| Classification acc. to CTM 312 | 105 AC |
| Temperature range | -40 to +105 °C |

Tape construction for flexible wire harnesses (schematic)

Coroplast RT series



RT-Version (reverse tape / spiral)

Coroplast RT tapes are made by bonding two tapes together. By wrapping the RT tape spirally around the harness, a double layer of protection with an adhesive free inside is achieved. Can be applied to any harness independent of the bundle size.

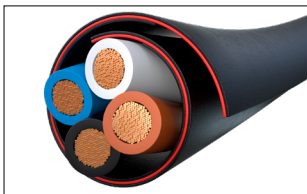
Coroplast TT series



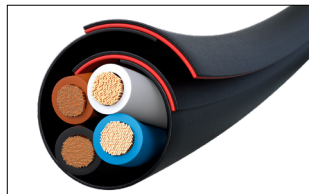
TT-Version (TapeTube)

Coroplast TT are double-layer tubes made of two tapes that are laminated together. This construction fully avoids contact between adhesive and harness. Suitable for long harness sections without branches.

Coroplast LT series

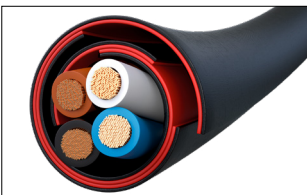


LT1 / LT 7



LT2

Coroplast S series



LT4

LT-Version (longitudinal tape / sleeve)

Coroplast LT harness tapes are used for longitudinal harness taping. Ideally suited for medium length harness sections without branches. Selection of the appropriate LT width should be based on the diameter of harness bundle to be covered.

S-Version (strip-coated / spiral, single-sided)

Coroplast S series are stripe coated adhesive tapes. By wrapping the tape spirally around the harness, a single layer of protection with an adhesive free inside is achieved. Can be applied to any harness independent of the bundle size.

Information

on classification of wire harness tapes
in accordance with CTM 312

Choice of tape width for automotive adhesive tapes

Different tape widths should be used depending on the diameter of the wire harness. The following rule of thumb applies for selecting the width by considering the typical angle and overlap for spiral taping:

Standard Wire Harness Tapes

| Harness diameter | Adhesive tape width |
|------------------|---------------------|
| < 2 mm | 9 mm |
| > 3 mm to 5 mm | 12 mm |
| > 6 mm to 20 mm | 19 mm |
| > 20 mm | 25 mm |

RT Series

| Harness diameter | Tape width |
|------------------|------------|
| 5 – 15 mm | 25 mm |
| 10 – 30 mm | 35 mm |
| 25 – 50 mm | 50 mm |

LT Series

| LT Version | Harness diameter | Tape width |
|-------------|------------------|------------|
| LT | < 12 mm | 65 mm |
| LT | 10–17 mm | 80 mm |
| LT | 15–28 mm | 115 mm |
| LT | 25–33 mm | 130 mm |
| LT | 30–48 mm | 180 mm |
| LT 1 / LT 7 | < 10 mm | 65 mm |
| LT 1 / LT 7 | 8–15 mm | 80 mm |
| LT 1 / LT 7 | 13–25 mm | 115 mm |
| LT 1 / LT 7 | 23–30 mm | 130 mm |
| LT 1 / LT 7 | 27–45 mm | 180 mm |
| LT 2 | < 15 mm | 65 mm |
| LT 2 | 12–20 mm | 80 mm |
| LT 2 | 17–30 mm | 115 mm |
| LT 2 | 27–35 mm | 130 mm |
| LT 2 | 32–50 mm | 180 mm |
| LT 4 | < 10 mm | 65 mm |
| LT 4 | 8–15 mm | 80 mm |
| LT 4 | 13–20 mm | 115 mm |
| LT 4 | 17–25 mm | 130 mm |
| LT 4 | 22–40 mm | 180 mm |

Classification in accordance with testing standard CTM 312 (excerpt)

| Class | Classification | Abrasion classes 5 mm mandrel, single-layer | Classification | Sound-dampening classes |
|-------|----------------|---|----------------|------------------------------|
| | | Requirement No. of strokes | | Requirement Damping in dB(A) |
| A | None | < 100 | None | 0 bis 2 |
| B | None/low | 100 bis 499 | Low | > 2 bis 5 |
| C | Low | 500 bis 999 | Medium | > 5 bis 10 |
| D | Medium | 1,000 bis 4,999 | High | > 10 bis 15 |
| E | High | 5,000 bis 14,999 | Very high | > 15 |
| F | Very high | 15,000 bis 29,999 | | |
| G | Extremely high | ≥ 30,000 | | |



Coroplast safety knife

Special tool for cutting wire harness tapes

Applications, advantages and properties

- › High-quality product (designed in Solingen, Germany)
- › Compact size: 76 mm x 45 mm
- › Alternative to scissors, knife or tearing by hand

Coroplast automotive approvals

| | Alliance (Nissan) | Alliance (Renault) | BMW | Changan | Daimler | Ford | JLR | GM/Opel | MAN | Mazda China | Stellantis (FCA) | Stellantis (PSA) | Tata Motors | Volvo | VW | Temperature class* | Abrasion class* | Sound - dampening class* |
|-----------------|-------------------|--------------------|-----|---------|---------|------|-----|---------|-----|-------------|------------------|------------------|-------------|-------|----|--------------------|-----------------|--------------------------|
| 302 | | • | | | • | | | | | | | | | | | 105 | A | A |
| 317 | | • | • | | • | • | | • | | | • | | | | • | 105 | A | A |
| 505 | | • | | | | | | • | | | • | • | | | | 125 | A | A |
| 512 | | • | • | | | • | | • | • | | • | • | | • | • | 125 | A | A |
| 651 MSX | • | • | | | | • | | • | | | • | • | | | • | 125 | A | A |
| 835 | | | | | | • | | • | | | | | | | | 125 | C/D*** | A |
| 835 X | | • | | | • | | | • | | | • | • | • | | | 150 | D | A |
| 837 X/838 X | | • | • | | • | • | | • | • | | • | • | • | • | • | 150 | D | A |
| 8375 X | | | | | | • | | • | | | • | | | | | 125 | D | A |
| 839 | | | • | | • | • | | • | | | • | • | | | • | 125 | B | A |
| 839 X | | • | • | | • | • | | • | | | • | • | | | | 150 | B | A |
| 8302 | | • | • | | • | | | • | • | | | | | | • | 105 | C | A |
| 8310 SE/8320 SE | | • | | | • | • | | • | | | • | | | | | 105/150 | C/D*** | A |
| 8380 | | | | | | • | | | | | | | | | | 105/150 | D | A |
| 8510/8520 | | • | | | | | | | | | | • | | | | 105 | B | C |
| 8515 X | | | | | | • | | | | | | | | • | | 125 | B | C |
| 8550/8560 | | • | • | | • | • | | • | • | | | | • | | • | 105 | B | C |
| 8550 X/8560 X | | • | | | • | • | | • | | | | | | | • | 125 | B | C |
| 8551 | • | • | • | • | • | • | • | • | | • | • | • | | • | • | 105 | A | C |
| 8556 | | | | | | | | | | | | | | | • | 105 | A | C |
| 8570/8580 | | • | | | • | | | | | | | | | • | | 105 | D | D |
| 8571 | | • | • | | • | • | | • | | | • | • | | | • | 105 | D | D |
| 8575 X | | | | | | • | | | | | • | | | | | 125 | D | D |
| 8579 X | | | | | | | | | | | | | | | • | 125 | D | D |
| 8002 | | • | | | | | | | | | | | | | | 105 | B | A |
| 8005 | | | | | | • | | | | | | • | | | | 105 | C | A |
| 880 | | | • | | • | • | | | | | • | | | | • | 105 | D | E |
| 880 X | | | • | | • | • | | | • | | • | • | | | • | 125 | D | E |
| 8440 X | | | | | • | • | | | | | | | | | • | 125 | B | E |
| 8750 | | | | | | • | | | | | | | | | • | 105 | A | C |
| 8770 X | | | | | | | | | | | | | | | • | 125 | B | D |
| 8750 X | | | | | | • | | | | | | | | | • | 125 | A | C |
| 8606 | | • | • | | | | | • | | | • | • | | | | 250 | A | A |
| 823 MPX | | | • | | | | | | | | | | | | | 125 | E | A |
| 832 MPX | | | • | | • | • | | • | • | • | • | • | | • | • | 125 | E | A |
| 833 MPX | | • | • | | • | • | | | | | • | • | | | • | 125 | E | D |
| 834 MPX | | | • | | • | • | | • | • | | | | | | • | 125 | G | D |
| 8937 STX | | | | | | • | | | | | | | | | | 125 | D | A |
| 8951 ST | | | • | | | • | | | | | | | | | | 105 | A | C |
| 8971 ST | | | • | | | | | | | | | | | | | 105 | D | D |
| 1288 X | | | • | | •** | • | | | | | • | | | | • | 125 | D | A |
| 1335 XE | | | | | | | | | | | | | | | • | n.a. | n.a. | n.a. |
| 835 X RT | | | | | | | | | | | • | | | | | 150 | E | A |
| 837 X RT | | | • | | • | • | | • | | | • | • | | | • | 150 | E | B |
| 839 RT | | • | • | | • | • | | • | | | • | | | | • | 125 | C | A |
| 839 X RT | | | | | • | • | | | | | | • | | | | 150 | D | B |
| 8550 RT | | | • | | • | • | | • | • | | • | • | | • | • | 105 | B | D |
| 8551 RT | | | | | | | | | | | | | | • | | 105 | B | C |
| 832 MPX RT | | | • | | • | | | • | • | | • | | | | • | 125 | G | B |
| 833 MPX RT | | | | | | | | | | | • | | | | • | 125 | E | D |
| 834 MPX RT | | | | | | | | | • | | | | | | | 125 | G | D |
| 837 X LT | | | | | | • | | • | | | • | | | | | 150 | B | A |
| 837 X LT1 | | | | | | • | | • | | | • | | | | | 150 | E | B |
| 837 X LT2 | | | | | | | | | | | • | | | | | 150 | B | A |
| 837 X LT4 | | | | | | | | • | | | | | | | | 150 | E | B |
| 8550 LT | | | • | | • | | | | | | | | | | • | 105 | A | C |
| 1288 X LT1 | | | | | | • | | | | | • | | | | • | 125 | D | A |
| 837 X TT | | | | | • | • | | | • | | | | | • | | 150 | E | B |
| 832 MPX TT | | | | | | | | | • | | | | | • | | 125 | G | B |
| 8750 S | | | • | | • | | | | | | | | | | | 105 | A | C |
| 836 SLX | | | | | • | • | | | | | | • | | | • | 150 | A | A |
| 856 SLX | | | | | • | • | | • | | | | | | | | 125 | A | C |
| 876 SLX | | • | | | • | • | | • | | | • | | | | • | 150 | A | C |
| 5170 | | | • | | | | | | | | | | | | | 105 | A | E |

* according to CTM 312, ** approval pending, *** 5 mm mandrel/ 10 mm mandrel

Version 03/2022

Approval for one tape version at minimum.

Please contact us for specific information about approved dimensions, colours and product versions.

Electrical installation

Insulating tapes for the electrical trade,
industry and DIY





| | |
|--|----|
| Notes and explanations on EN 60454 | 32 |
| Electrical insulating tapes based on plasticized PVC | 33 |
| Other tapes for electrical insulation and DIY | 34 |
| Ready-to-sell packings | 35 |

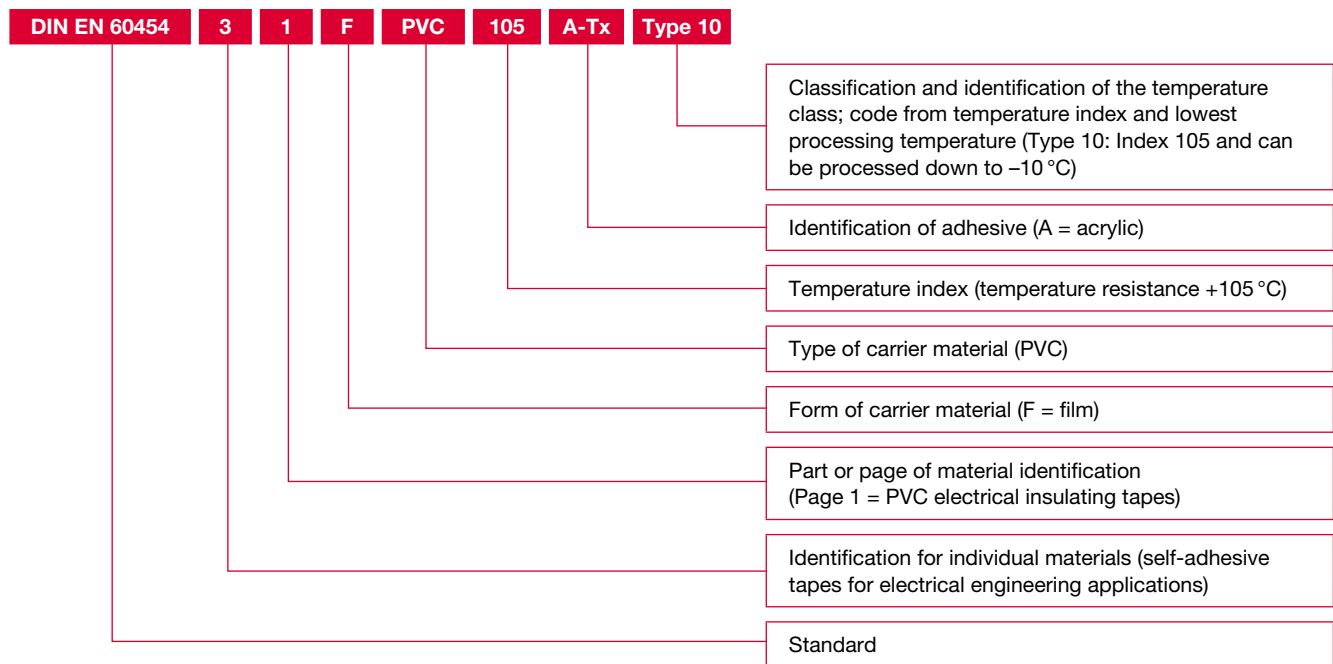
Adhesive tape standard for electrical insulating tape: EN 60454

The tests performed on our adhesive tapes designed for use in the electrical engineering sector are based on European Standard EN 60454 applicable to electrical insulating tapes. This standard specifies a compulsory system of product labelling that allows consumers and contractors

to immediately identify the key properties and test values of insulating tapes from the product designation. The following example illustrates the complete product designation for Coroplast 302:



Coroplast 302 electrical insulating tape

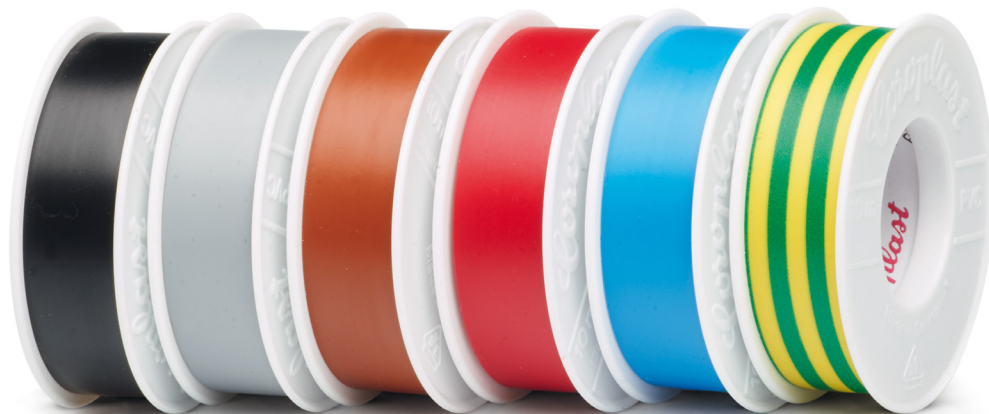


Even our standard product, Coroplast 302, reveals the outstanding temperature characteristics of Coroplast adhesive tapes by achieving the comparatively high temperature class 10 (of 12) in accordance with EN 60454-3-1 (processable down to -10 °C, temperature-resistant to +105 °C). Furthermore, we send our Coroplast

301 and 302 products to the VDE (Germany Association for Electrical, Electronic & Information Technologies) for external testing in line with the relevant standards, so that they can also carry the VDE approval mark. Further details and technical data can be found in the product descriptions in this catalogue or you can contact us directly.

Coroplast 301, 302, 303

Electrical insulating tapes based on plasticized PVC



Coroplast 302

Applications, advantages and properties

- › DIN EN 60454-3-1 F-PVC/105/A-Tx Type 10
- › For all standard insulation work, repairing damaged insulation, wrapping cable ends and branches, stripping armatures and coils, labelling and marking
- › For bundling and marking wire harnesses and branches
- › Flame-retardant and good ageing properties
- › Very good resistance to chemicals
- › Can be applied fold-free on all uneven surfaces due to high flexibility
- › Colour chart on page 86
- › Plasticized PVC adhesive tapes, transparent: see special applications Coroplast Type 331, 332 (see page 83)

301

- › With VDE and ÖVE approval marks

302

- › Our standard adhesive tape with VDE and ÖVE approval mark
- › Also available in green/yellow

303

- › For insulation work with high demands for mechanical stability

| Technical data | 301 | 302 | 303 |
|---------------------|---|---|---|
| Carrier | plasticized PVC film | plasticized PVC film | plasticized PVC film |
| Adhesive | acrylic | acrylic | acrylic |
| Thickness | 0.10 mm | 0.15 mm | 0.20 mm |
| Colours | yellow, orange, red, purple, light blue, blue, green, grey, brown, white, black | yellow, orange, red, purple, light blue, blue, green, grey, brown, white, black, green/yellow | yellow, orange, red, purple, blue, green, grey, brown, white, black |
| Widths | 9, 12, 15, 19, 25, 30, 38 and 50 mm | 9, 12, 15, 19, 25, 30, 38 and 50 mm | 9, 12, 15, 19, 25, 30, 38 and 50 mm |
| Lengths | 10, 25 and 33 m | 4.5, 10, 25 and 33 m | 10 and 20 m |
| Tensile strength | 20 N/cm | 25 N/cm | 38 N/cm |
| Elongation at break | 180 % | 190 % | 195 % |
| Adhesion to steel | 1.8 N/cm | 2.0 N/cm | 2.1 N/cm |
| Dielectric strength | > 40 kV/mm | > 40 kV/mm | > 40 kV/mm |
| Heat resistance | -10 to +105 °C | -10 to +105 °C | -10 to +105 °C |
| Tested by | DIN EN 60454 | DIN EN 60454 | DIN EN 60454 |
| Approval mark | VDE and ÖVE | VDE and ÖVE | |

Coroplast 701 PE

Electrical insulating tapes based on PE



Coroplast 701 PE

Coroplast 800, 8005

Plastic-coated adhesive tape



Coroplast 800

Applications, advantages and properties

- › DIN EN 60454-3-12 F-PE/75/R-Tp Type 4
- › For electrical insulation work, particularly high-voltage insulation, insulation of high-frequency components, and for cable assembly
- › Acts as a water or water vapour barrier when wrapped in several overlapping layers
- › Halogen-free
- › Solvent-free
- › Very good resistance to low temperatures
- › High adhesion
- › Excellent resistance to ageing

Applications, advantages and properties

- › Universal textile adhesive tape for industry and trade, wiring installation and repair work, labelling and marking
- › Easy to tear by hand and write on
- › Good chemical resistance
- › High adhesion
- › Excellent resistance to ageing
- › Good resistance to cold and heat
- › Excellent electrical insulating properties
- › See colour chart on pages 90/91

8005

- › Rot-resistant textile polyester carrier

| Technical data | 701 PE | 800 | 8005 |
|---------------------|---|--|-------------------------------------|
| Carrier | PE film | acrylic-coated spun rayon fabric | acrylic-coated PET cloth |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber |
| Thickness | 0.15 mm | 0.28 mm | 0.23 mm |
| Colours | black, other colours available on request | yellow, red, blue, green, grey, white, black | yellow, gray, white, black |
| Widths | 9, 12, 15, 19, 25, 30, 38 and 50 mm | 6, 9, 12, 15, 19, 25, 30, 38 and 50 mm | 9, 12, 15, 19, 25, 30, 38 and 50 mm |
| Lengths | 10 and 25 m | 2.5, 10, 25 and 50 m | 25 and 50 m |
| Tensile strength | 24 N/cm | 85 N/cm | 85 N/cm |
| Elongation at break | 320 % | 10 % | 17 % |
| Adhesion to steel | 6.3 N/cm | 5.2 N/cm | 4.0 N/cm |
| Dielectric strength | > 40 kV/mm | | |
| Heat resistance | -20 to +80 °C | -40 to +90 °C | -40 to +105 °C |

Coroplast counter stands and DIY packs



Coroplast net bags

Applications, advantages and properties

- › Contains the established insulating and adhesive tapes Coroplast 301, 302 and 800
- › End-user-friendly sale of single rolls at the point of sale
- › Custom design and content on request

Sample assortment display stands:

1. Coroplast revolving display stand 301

- › Most popular of our sales assortments
- › Our multi-product display stands with advertising card on the top
- › Solid metal design
- › Stable and non-tip
- › Filled with 104 rolls of Coroplast 301, 0.10 mm x 15 mm x 10 m, with 13 rolls of each colour: black, white, red, yellow, green, blue, grey and brown

2. Coroplast revolving display stand 302

- › Like revolving display stand 301, but filled with 104 rolls of Coroplast 302, 0.15 mm x 15 mm x 10 m

Sample assortment DIY packs:

- › Insulating tape net set – with 3 rolls of Coroplast 302, 15 mm x 10 m in black, red and yellow
- › Insulating tape net set – with 10 rolls of Coroplast 302, 12 mm x 3.3 m in purple, yellow, white, green, orange, black, brown, blue, grey and red

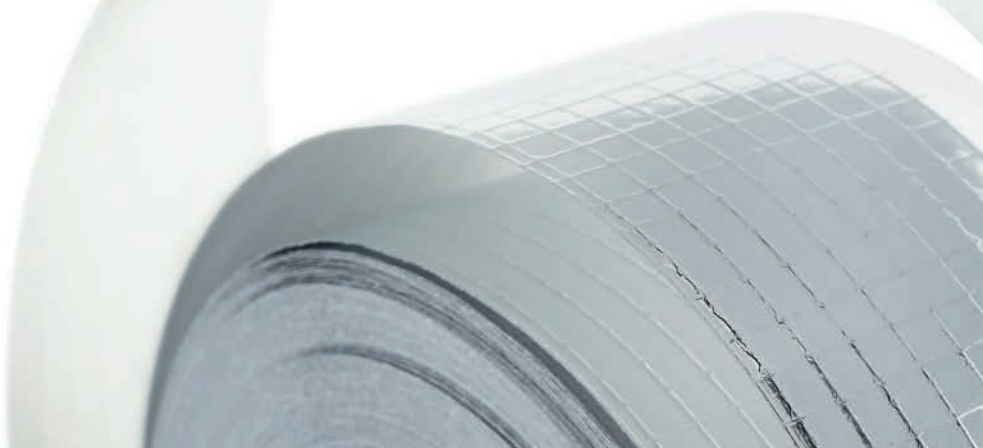
Technical data

See Coroplast insulating tape 301, 302 and 800

Many other combinations are available, also with private labels. Please get in touch – we will be happy to supply you with your own DIY packs.

Technical insulation

HVAC, sanitary





| | |
|--------------------------------|---------|
| Plasticized PVC adhesive tapes | 38 |
| Pure aluminium adhesive tapes | 39 – 43 |
| Aluminium-clad adhesive tapes | 44 – 45 |
| Accessories | 45 |

Coroplast 252, 352 SE, 353, 513

Plasticized PVC adhesive tapes

Applications, advantages and properties

- › DIN EN 60454-3-1 F-PVC/105/A-Tx Type 10
- › For sealing insulation films (e.g. Isogenopak), insulation jackets and sleeves, air conduits and pipelines
- › Suitable as anti-corrosion tape for pipelines and avoiding contact corrosion
- › Easy to apply, even at low temperatures
- › Outstanding UV and weather resistance, especially when using grey or black tapes or when wrapped in several overlapping layers
- › Very good ageing properties
- › Flame retardant and self-extinguishing
- › Highly resistant to chemicals
- › Can be applied fold-free on all uneven surfaces due to high flexibility



Coroplast 352 SE

252, 352 SE

- › With VDE approval mark, P-BHH-2014-1003, flameretardant in accordance with DIN 4102, building material class B1
- › Anti-corrosion tape for internal pipelines and as assembly aid for conduit pipes (e.g. Wicu)
- › For sealing air conduits and for colour labelling and marking, e.g. of flow media
- › Suitable for all electrical insulation work
- › Available in a range of Colours

353

- › Anti-corrosion tape for exposed pipes in damp areas and in ship building
- › To avoid contact corrosion in metal constructions and advertisement displays
- › Also suitable for use in facade constructions due to UV resistance
- › Available in a range of colours

513

- › Anti-corrosion tape for internal pipelines and as assembly aid for conduit pipes
- › Halogen-free
- › Colours: light grey 788 and black

| Technical data | 252 | 352 SE | 353 | 513 |
|---------------------------|------------------------------|---|---|--|
| Carrier | plasticized PVC film | plasticized PVC film | plasticized PVC film | elastomer-modified polypropylene film |
| Adhesive | acrylic | acrylic | acrylic | acrylic |
| Thickness | 0.15 mm | 0.15 mm | 0.2 mm | 0.15 mm |
| Colours | black, light grey 788 | Ivory, yellow, orange, red, purple, blue, green, light grey 788, grey, dark grey 741, silver, brown, white, black | yellow, orange, red, purple, blue, green, grey, brown, white, black | light grey 788, black |
| Widths | 19, 25, 30, 38 and 50 mm | 15, 19, 22, 25, 30, 38, 50, 75, 100, 150 and 200 mm | 19, 25, 30, 38, 50, 75, 100, 120, 150 and 200 mm | 19, 25, 30, 38, 50, 75, 100, 120, 150 and 200 mm |
| Lengths | 33 m | 10 and 25 m | 10 and 20 m | 25 m |
| Tensile strength | 25 N/cm | 25 N/cm | 38 N/cm | 20 N/cm |
| Elongation at break | 190 % | 210 % | 210 % | 650 % |
| Adhesion to steel | 2.0 N/cm | 2.0 N/cm | 2.2 N/cm | 2.3 N/cm |
| Adhesion to backing | 2.2 N/cm | 2.2 N/cm | 2.3 N/cm | 2.3 N/cm |
| Temperature range | -10 to +105 °C | -10 to +105 °C | -10 to +105 °C | -40 to +125 °C |
| Water vapour permeability | < 40 g/m ² x 24 h | < 40 g/m ² x 24 h | < 40 g/m ² x 24 h | < 40 g/m ² x 24 h |
| Flammability DIN 4102 | B1 | B1 | | |

Coroplast ALU SE series

Pure aluminium adhesive tapes with synthetic rubber adhesive, flame retardant

Applications, advantages and properties

- › Flame-retardant pure aluminium adhesive tapes in accordance with DIN 4102, building material class B1
- › For sealing intersections on aluminium-laminated insulating systems
- › For bonding ventilation pipes and air-conditioning ducts
- › Outstanding shear strength for the secure and durable sealing of insulation structures
- › Suitable for fabricating die-cut parts
- › Strong adhesive suitable for construction sites
- › Very strong adhesion and high initial tack
- › Functions as a water vapour barrier
- › Highly resistant to moisture
- › Outstanding ageing properties
- › High shear strength, even in varying temperatures



Coroplast
930 ALU SE

910 ALU SE

- › Flexible, strong aluminium carrier

930 ALU SE

- › Flexible adhesive tape; additional approval marks of the German BG Verkehr/Schiffssicherheit 118.155 (Steuerrad)



942 ALU SE

- › Thicker than standard-quality foil and therefore increased mechanical strength

944 ALU SE

- › Assembly adhesive tape ideal for apparatus engineering and manufacturing heat and insulating shields for automotive engineering

| Technical data | 910 ALU SE | 930 ALU SE | 942 ALU SE | 944 ALU SE |
|--|--|--|--|--|
| Carrier | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber | synthetic rubber |
| Covering | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper |
| Carrier thickness | 0.03 mm | 0.025 mm | 0.04 mm | 0.05 mm |
| Thickness | 0.06 mm | 0.05 mm | 0.08 mm | 0.09 mm |
| Preference widths* | 50, 70, 75 and 100 mm | 50, 70, 75 and 100 mm | 50, 75 and 100 mm | 50, 75 and 100 mm |
| Lengths | 100 m | 100 m | 50 m | 50 m |
| Tensile strength | 25 N/cm | 20 N/cm | 30 N/cm | 35 N/cm |
| Elongation at break | 5 % | 5 % | 5 % | 5 % |
| Adhesion to steel | 10.0 N/cm | 10.0 N/cm | 10.0 N/cm | 10.0 N/cm |
| Temperature range | -40 to +80 °C | -40 to +80 °C | -40 to +80 °C | -40 to +80 °C |
| Water vapour permeability | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h |
| Building material class in acc. with DIN 4102 (test certificate) | B1 | B1 | B1 | B1 |
| BG Verkehr/Schiffssicherheit | | steering wheel/no. 118.155 | | |

* Also available in log rolls of up to 1 m (250, 300, 500 or 1,000 mm)

Coroplast AWX series

Pure aluminium adhesive tapes with acrylic adhesive

Applications, advantages and properties

- › With approval mark, flameretardant in accordance with DIN 4102, building material class B1 and for 1530 AWX: A2
- › For impermeable sealing of intersections in aluminium-laminated insulating mats
- › Suitable for manufacturing die-cut parts
- › Coated with acrylic adhesive that achieves very good adhesion, even on slightly damp surfaces and at extremely low temperatures
- › Easy to apply, even at temperatures as low as -25 °C
- › Strong adhesive suitable for construction sites
- › Outstanding water and vapour barrier
- › Moisture-proof
- › Excellent resistant to ageing
- › High shear strength, even at varying temperatures
- › Very strong adhesion and high initial tack

1542 AWX

- › Foil thicker than the standard quality and therefore increased mechanical strength
- › VOC approval, emission classification A +

1544 AWX

- › Thickest foil carrier of a Coroplast AWX tape for reliable mechanical properties
- › Tested in accordance with UL 723

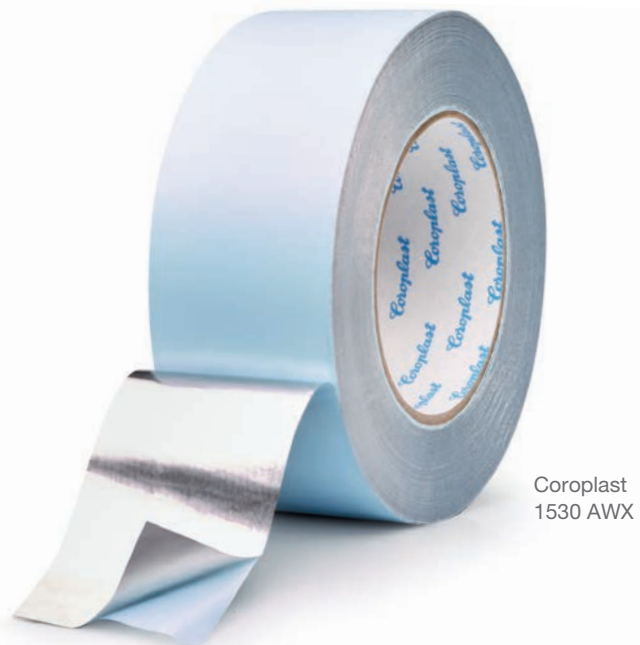


1510 AWX

- › Very flexible aluminium adhesive tape of the highest quality
- › With approval mark DIN 4102, low flammability building material class B1, additional test certificate of the German BG Verkehr/Schiffssicherheit 118.424 (Steuerrad)

1530 AWX

- › The economical version with reduced foil thickness, with approval mark DIN 4102, low flammability building material class B1 and A2, additional test certificate of the German BG Verkehr/Schiffssicherheit 118.213 (Steuerrad)



Coroplast 1530 AWX

Coroplast 912 AWX and Coroplast 914 AWX on page 42

| Technical data | 1510 AWX | 1530 AWX | 1542 AWX | 1544 AWX |
|------------------------------|--|--|--|--|
| Carrier | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain |
| Adhesive | acrylic | acrylic | acrylic | acrylic |
| Covering | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper | siliconised polyethylene film or release paper |
| Carrier thickness | 0.03 mm | 0.025 mm | 0.04 mm | 0.05 mm |
| Thickness | 0.06 mm | 0.05 mm | 0.08 mm | 0.08 mm |
| Widths* | 50, 70, 75 and 100 mm | 50, 70, 75 and 100 mm | 50, 75 and 100 mm | 50, 75 and 100 mm |
| Lengths | 100 m | 100 m | 50 m | 50 m |
| Tensile strength | 25 N/cm | 20 N/cm | 30 N/cm | 26 N/cm |
| Elongation at break | 5 % | 5 % | 5 % | 5 % |
| Adhesion to steel | 8.0 N/cm | 8.0 N/cm | 9.0 N/cm | 8.0 N/cm |
| Temperature range | -40 to +130 °C | -40 to +130 °C | -40 to +130 °C | -40 to +130 °C |
| Water vapour permeability | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h |
| Flammability | B1 (DIN 4102) | B1/A2 (DIN 4102) | B1 (DIN 4102) | UL 723 (in accordance) |
| BG Verkehr/Schiffssicherheit | 118.424 | 118.213 | | |
| VOC emission test | | | A + | |

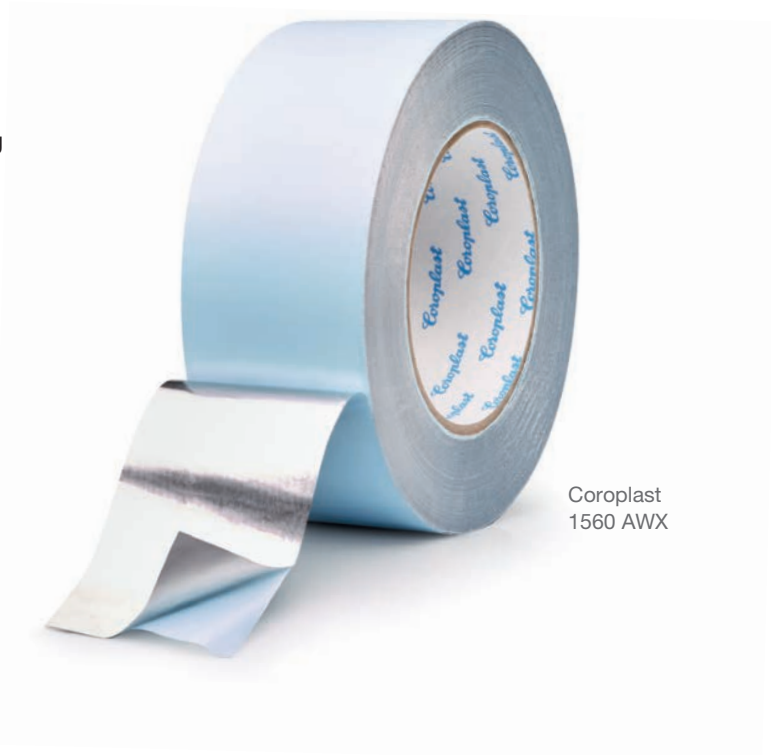
* Also available in log rolls of up to 1 m (250, 300, 500 or 1,000 mm)

Coroplast 1560 AWX

Premium aluminium adhesive tape

Applications, advantages and properties

- › Very flexible aluminium adhesive tape of the highest quality
- › With approval mark DIN 4102, low flammability building material class B1
- › For impermeable sealing of intersections in aluminium-laminated insulating mats
- › Suitable for manufacturing die-cut parts
- › Coated with acrylic adhesive that achieves very good adhesion, even on slightly damp surfaces and at extremely low temperatures
- › Easy to apply, even at temperatures as low as $-25\text{ }^{\circ}\text{C}$
- › Strong adhesive suitable for construction sites
- › Outstanding water and vapour barrier
- › Moisture-proof
- › Excellent resistant to ageing
- › High shear strength, especially in comparison to other acrylic adhesives
- › High coating weight for improved adhesion



Coroplast
1560 AWX

| Technical data | 1560 AWX |
|---------------------------|--|
| Carrier | pure aluminium foil, soft, plain |
| Adhesive | acrylic |
| Covering | siliconised polyethylene film or release paper |
| Carrier thickness | 0.03 mm |
| Thickness | 0.06 mm |
| Widths* | 50, 70, 75 and 100 mm |
| Lengths | 100 m |
| Tensile strength | 25 N/cm |
| Elongation at break | 5 % |
| Adhesion to steel | 9.0 N/cm |
| Temperature range | -40 to $+130\text{ }^{\circ}\text{C}$ |
| Water vapour permeability | $< 1\text{ g/m}^2 \times 24\text{ h}$ |
| Flammability | B1 (DIN 4102) |

* Also available in log rolls of up to 1 m (250, 300, 500 or 1,000 mm)

Coroplast 912, 912 AWX, 914 AWX

Reinforced aluminium adhesive tapes

Applications, advantages and properties

- › For sealing intersections on aluminium-laminated insulating mats
- › Visually perfect sealing on lamella mats through dense mesh structure (5 mm x 5 mm)
- › High mechanical strength
- › Strong adhesive suitable for construction sites
- › Very strong adhesion and high initial tack
- › Outstanding vapour barrier
- › Moisture-proof
- › Outstanding ageing properties
- › High shear strength, even at varying temperatures

912

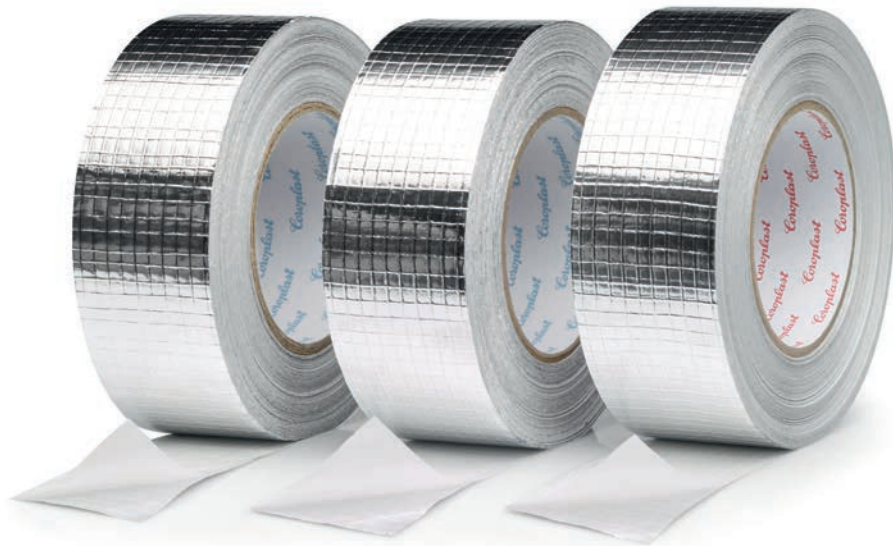
- › Coated with strong synthetic rubber adhesive, additional test certificate of the German BG Verkehr / Schiffssicherheit 118.466 (Steuerrad)

912 AWX

- › Coated with acrylic adhesive that achieves very good adhesive strength, even on slightly damp surfaces and at extremely low temperatures

914 AWX

- › Coated with acrylic adhesive that achieves very good adhesive strength, even on slightly damp surfaces and at extremely low temperatures, additional test certificate of the German BG Verkehr / Schiffssicherheit 118.467 (Steuerrad)
- › Can be torn by hand



Coroplast 912 AWX

Coroplast 914 AWX

Coroplast 912

| Technical data | 912 | 912 AWX | 914 AWX |
|--------------------------------|---|---|--|
| Carrier | aluminium foil reinforced with fibreglass scrim (5 mm x 5 mm) | aluminium foil reinforced with fibreglass scrim (5 mm x 5 mm) | aluminium foil reinforced with PET scrim (5 mm x 5 mm) |
| Adhesive | synthetic rubber | acrylic | acrylic |
| Covering | siliconised release film | siliconised release film | siliconised polyethylene film or release paper |
| Thickness | 0.13 mm | 0.13 mm | 0.2 mm |
| Preference widths* | 50, 70, 75 and 100 mm | 50, 70, 75 and 100 mm | 50, 75 and 100 mm |
| Lengths | 50 m | 50 m | 50 m |
| Tensile strength | 30 N/cm | 30 N/cm | 20 N/cm |
| Elongation at break | 10 % | 10 % | 2 % |
| Adhesion to steel | 6.0 N/cm | 7.0 N/cm | 5.0 N/cm |
| Water vapour permeability | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h |
| Temperature range | -40 to +80 °C | -40 to +130 °C | -40 to +130 °C |
| BG Verkehr / Schiffssicherheit | steering wheel / no.118466 | acrylic | steering wheel / no.118467 |

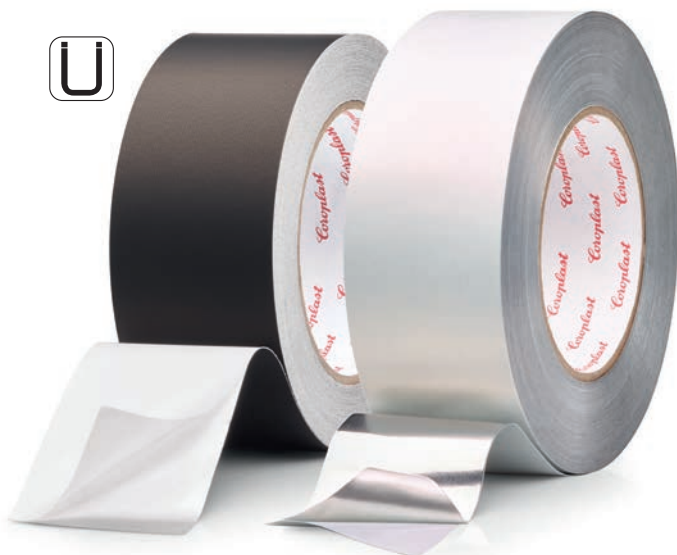
* Also available in log rolls of up to 1 m (250, 300, 500 or 1,000 mm)

Coroplast 933 ALU black

Varnished aluminium adhesive tape

Applications, advantages and properties

- › For sealing intersections on matt black surfaces
- › Suitable as assembly aid for rubber system sealings
- › Strong adhesive suitable for construction sites
- › Additional mechanical protection for rubber system sealings
- › No painting needed at black sealing intersections
- › No visible edge at insulating systems
- › With approval mark DIN 4102, flammability building material class B2



Coroplast
933 ALU Black

Coroplast 941

Coroplast 941, 948

Pure aluminium adhesive tapes
with synthetic rubber adhesive

Applications, advantages and properties

- › For sealing intersections on aluminium-laminated insulating systems
- › For bonding ventilation pipes and air-conditioning ducts
- › Outstanding shear strength for the secure and durable sealing of insulation structures
- › Suitable for manufacturing die-cut parts
- › Strong adhesive suitable for construction sites
- › High adhesive strength and high initial tack
- › Functions as a water vapour barrier
- › Moisture-proof
- › Excellent resistant to ageing
- › High shear strength even in varying temperatures

941

- › Very strong aluminium adhesive tape for bonding construction materials and for window constructions, and as a repair tape and assembly tape in apparatus engineering
- › Flame-retardant in accordance with DIN 4102
- › High mechanical strength

948

- › For bonding aluminium-laminated insulating systems and pipe shells in coarse grain design
- › For the secure and impermeable sealing of insulation plates and systems that are laminated with coarse grain aluminium
- › Particularly suitable for element bonding, where very strong adhesion is required

| Technical data | 933 ALU black | 941 | 948 |
|---------------------------|---------------------------------|--|----------------------------------|
| Carrier | aluminium foil, varnished black | pure aluminium foil, soft, plain | pure aluminium foil, soft, plain |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber |
| Covering | siliconised release paper | siliconised polyethylene film or release paper | siliconised release paper |
| Carrier thickness | | 0.10 mm | 0.04 mm |
| Thickness | 0.06 mm | 0.14 mm | 0.12 mm |
| Preference widths* | 50, 70, 75 and 100 mm | 50, 75 and 100 mm | 50, 75 and 100 mm |
| Lengths | 50 m | 50 m | 50 m |
| Tensile strength | 20 N/cm | 80 N/cm | 26 N/cm |
| Elongation at break | 5 % | 5 % | 4 % |
| Adhesion to steel | 8.0 N/cm | 10.0 N/cm | 15.0 N/cm |
| Temperature range | -40 to +80 °C | -40 to +80 °C | -40 to +80 °C |
| Water vapour permeability | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h |
| Flammability | B2 DIN 4102 | | |

* Also available in log rolls of up to 1 m (250, 300, 500 or 1,000 mm)

Coroplast 1232 X, 1233 X, 1336 X

Aluminium-clad adhesive tape

Applications, advantages and properties

- › Adhesive tape based on a special thermoplastic laminate compound with pure aluminium and/or PET film
- › For sealing the intersections of insulation materials or, for example, materials with aluminium- or white-coloured surfaces
- › Coated with acrylic adhesive that adheres very well to standard aluminium-clad systems
- › Resistant to UV and weathering through special carrier in combination with acrylic adhesive
- › Widths of up to 1,000 mm available, therefore suitable for large-scale systems, e.g. for industrial equipping of insulating materials
- › Suitable for many insulating systems, e.g. Isogenotec® or Kaiflex® Protect
- › Secure seam bonding, even in subsequent moisture onset
- › Outstanding water and vapour barrier
- › Easy application at low temperatures
- › Strong adhesive suitable for construction sites
- › Covered with release paper
- › Very good resistance to cold and heat
- › Solvent-free
- › Resistant to ageing

1232 X

- › 4-ply structure with firm PET layer, providing high mechanical strength
- › Sturdy

1233 X

- › 2-ply structure, economy version

1336 X

- › High-quality, white surface optic
- › 2-ply structure



Coroplast 1232 X

Coroplast 1336 X

| Technical data | 1232 X | 1233 X | 1336 X |
|---------------------------|--|--|--|
| Carrier | 4-layer laminate made of special thermoplastic and aluminium films | 2-layer laminate made of special thermoplastic and aluminium films | 2-layer laminate made of special thermoplastic and aluminium films |
| Adhesive | acrylic | acrylic | acrylic |
| Covering | siliconised release paper | siliconised release paper | siliconised release paper |
| Colours | aluminium | aluminium | white |
| Thickness | 0.12 mm | 0.08 mm | 0.08 mm |
| Widths | 19, 25, 30 and 50 mm | 19, 25, 30 and 50 mm | 19, 25, 30 and 50 mm |
| Lengths | 25 and 50 m | 25 and 50 m | 25 and 50 m |
| Tensile strength | 65 N/cm | 40 N/cm | 120 N/cm |
| Elongation at break | 50 % | 45 % | 40 % |
| Adhesion to steel | 12.0 N/cm | 8.0 N/cm | 8.5 N/cm |
| Temperature range | -40 to +120 °C | -40 to +120 °C | -40 to +120 °C |
| Water vapour permeability | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h | < 1 g/m ² x 24 h |

Coroplast 913, 918

Aluminium-coloured adhesive tape

Applications, advantages and properties

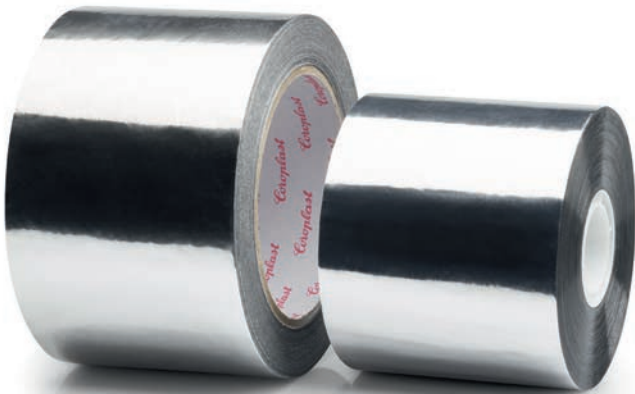
- › Multipurpose aluminium-coloured polypropylene adhesive tape
- › Can be used as an assembly aid and for sealing films in the construction sector
- › Used from the roll without interliner
- › Highly tear-resistant
- › Outstanding ageing properties
- › Good shear strength

913

- › Stable PET carrier

918

- › Can also be used in packaging
- › Easy handling due to small core diameter



Coroplast 913

Coroplast 918

Coroplast Spatula

Applications, advantages and properties

- › Soft plastic spatula for professional application of pressure and smoothing of adhesive tapes
- › Particularly important for aluminium adhesive tapes for pressing down the edges and modelling the structure of the lamella mats with the adhesive tape
- › Applying pressure using the edges of the spatula is more effective than using your hand or a cloth; increased adhesive effect due to an evenly pressure
- › Optimized design with lamella structure for in-depth pressure on stucco embossed surfaces
- › Handy size: 105 mm x 80 mm



Coroplast Spatula

| Technical data | 913 | 918 |
|---------------------------|---------------------------------|---------------------------------|
| Carrier | PET film | PP film |
| Adhesive | acrylic | acrylic |
| Thickness | 0.05 mm | 0.05 mm |
| Colours | silver | silver |
| Widths | 50, 75 and 100 mm | 50, 75 and 100 mm |
| Lengths | 100 m | 100 m |
| Core | 3" | 1" |
| Tensile strength | 40 N/cm | 45 N/cm |
| Elongation at break | 125 % | 150 % |
| Adhesion to steel | 2.0 N/cm | 2.4 N/cm |
| Temperature range | -40 to +80 °C | -40 to +80 °C |
| Water vapour permeability | ca. 2.7 g/m ² x 24 h | ca. 3.0 g/m ² x 24 h |

For handling instructions, please visit our website: <https://www.coroplast-tape.com/en/handling-instructions>

Loft conversion

For hermetic, windproof construction





| | |
|--|----|
| Properties of Coroplast RPX adhesive tapes | 48 |
| Tyvek® adhesive tape | 49 |
| Special non-woven adhesive tape | 49 |
| Reinforced film adhesive tapes | 50 |
| Single-sided special paper adhesive tape | 51 |
| Double-sided adhesive tapes | 51 |
| Special paper adhesive patch | 52 |
| RPX versions and product options | 53 |

Coroplast RPX series

Best quality for loft conversion and house wrapping



Moisture-repellent

Coroplast RPX adhesive tapes are not affected by vapour or dripping water because the adhesive is extremely moisture-repellent. Adhesive tapes made with conventional dispersion adhesives allow water or moisture to seep underneath the edges, penetrate the adhesive and render it useless. That's why Coroplast RPX adhesive tapes are a much more reliable alternative, e.g. for applications in saunas and baths. Hydrophobised non-wovens will not be penetrated by moisture when using RPX adhesive.



Easy to use

Coroplast 1430 RPX is equipped with a special film backing that peels off the adhesive surface quickly, in one piece and without leaving any residue. Film backings offer an advantage over paper backings because they more or less automatically provide the user with an edge to peel it off during processing.



Can be applied from -10 °C

We have formulated RPX adhesive tapes in a way that they remain firmly in place, even at low temperatures. Temperature resistance when bonded is permanently -40 °C or +80 °C and the adhesive does not become brittle or dry out.



High adhesive strength

Coroplast RPX adhesive tapes are equipped with UV-cross-linked acrylates: a new generation of adhesives in the construction sector that provide maximum adhesive strength. These adhesives have been used in the automotive sector for many years with excellent results. The strong initial tack develops full adhesive strength after only a short time, ensuring the absolutely firm bonding of the adhesive tape.



Very good shear resistance

Any adhesive used to bond sarking membranes needs to have high shear resistance, particularly if airtight adhesion of construction elements is required. Coroplast RPX adhesive tapes provide optimum shearing resistance for permanent airtight bonding in loft conversions and dry wall installations.



Resistant to weathering

Coroplast 1410 RPX, 1420 RPX and 1430 RPX adhesive tapes provide lasting UV stability, which makes them perfect for outdoor applications. They can easily withstand natural weathering for at least three months – Coroplast 1410 RPX up to six months. They also ensure permanent ageing resistance since the adhesive does not become brittle.



Go green

Working sustainably with RPX products

Environmentally friendly

The pressure-sensitive adhesives in the Coroplast RPX range are extremely environmentally friendly. No solvents are required in the production process, and only minimal quantities of water are used. The adhesive tapes are solvent-free and do not contain any formaldehyde or other environmentally harmful substances (e.g. emulsifiers, APEOs). Coroplast 1410 RPX and Coroplast 1430 RPX are Ecode-tested and bear the EC 1 plus mark – ideal preconditions for developing a healthy environment and residential air quality without contamination.



- › Certified quality
- › Ecode EC 1 plus
- › ISO TS 16949
- › Solvent-free
- › VOC-approved
- › No APEOs
- › Residential air quality emission-free

Coroplast 960 RPX

Tyvek® adhesive tape

Applications, advantages and properties

- › For bonding joints of diffusible sarking membranes and films or underlay seams of PP or PE fleeces or PE non-wovens (e.g. Tyvek®) for indoor and outdoor use
- › Equipped with a special acrylic adhesive, therefore moisture- and water-resistant
- › High tensile strength longitudinally, can be torn laterally by hand
- › Very good flexibility at low temperatures and excellent resistance to ageing
- › Strong adhesive suitable for construction sites
- › High adhesive strength
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Good adhesion to smooth or slightly rough surfaces
- › Weatherproof for approx. 3 months
- › Diffusible tape system ($S_d = 0.3 \text{ m}$)



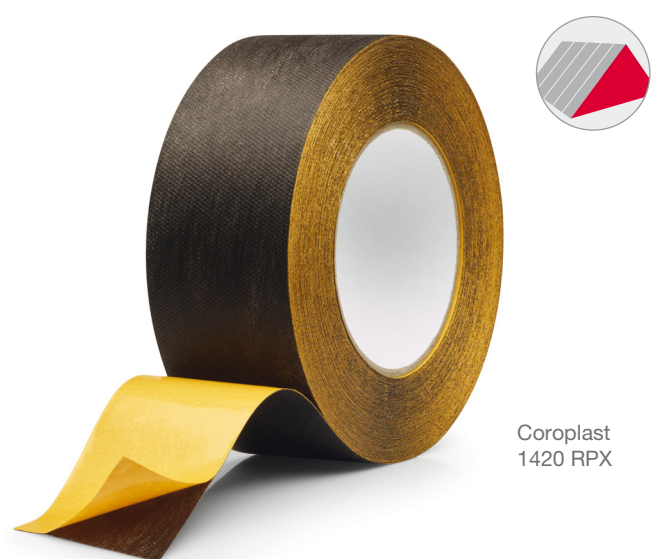
Coroplast 960 RPX

Coroplast 1420 RPX

Special non-woven adhesive tape

Applications, advantages and properties

- › Particularly suitable for invisible bonding of black wall lining membranes behind partially open facades
- › For hermetically sealing overlapping areas of vapour retarders and barriers in accordance with DIN 4108-7
- › All-round adhesive tape with special acrylic adhesive for a strong grip in exterior and interior constructions
- › Strong adhesive suitable for construction sites
- › Diffusible PP non-woven
- › Excellent temperature resistance
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Extremely good ageing properties
- › UV-resistant and weatherproof for 3 months



Coroplast 1420 RPX

| Technical data | Coroplast 960 RPX | Coroplast 1420 RPX |
|---------------------|-----------------------|-----------------------|
| Carrier | non-woven (Tyvek®) | PP non-woven, black |
| Adhesive | acrylic | acrylic |
| Covering | repellent paper | repellent paper |
| Thickness | 0.25 mm | 0.4 mm |
| Widths | 50, 60, 75 and 100 mm | 50, 60, 75 and 100 mm |
| Lengths | 45 and 50 m | 25 m |
| Tensile strength | 55 N/cm | 35 N/cm |
| Elongation at break | 15 % | 55 % |
| Adhesion to steel | 13.0 N/cm | 16.0 N/cm |
| Temperature range | -40 to +100 °C | -40 to +100 °C |

Coroplast 1410 RPX, 1411 RPX

Reinforced film adhesive tape

Applications, advantages and properties

- › For hermetically sealing interior penetration points (pipes, cables, rafters) of vapour retarders and barriers as well as PP or PE fleeces
- › For bonding film splices and underlay seams as well as other work where flexibility of the tape is required
- › Can be torn laterally
- › Ensures airtight layer in accordance with EnEV and DIN 4108-7
- › Coated with special acrylic adhesive with extremely high moisture resistance
- › Good adhesion to all smooth or slightly rough substrates (e.g. films, fleece, timber, plastic)
- › Strong adhesive suitable for construction sites
- › Outstanding ageing properties
- › Weatherproof for approx. 6 months
- › Applicable at temperatures as low as -10 °C
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)

1410 RPX

- › Meets the strict requirements of GEV and is labelled with Emissioncode EC 1 plus
- › Strength tested by the Fraunhofer Institute
- › Centrally split liner (SL version) see page 53
- › Adhesive tape in accordance with DIN 4108-11

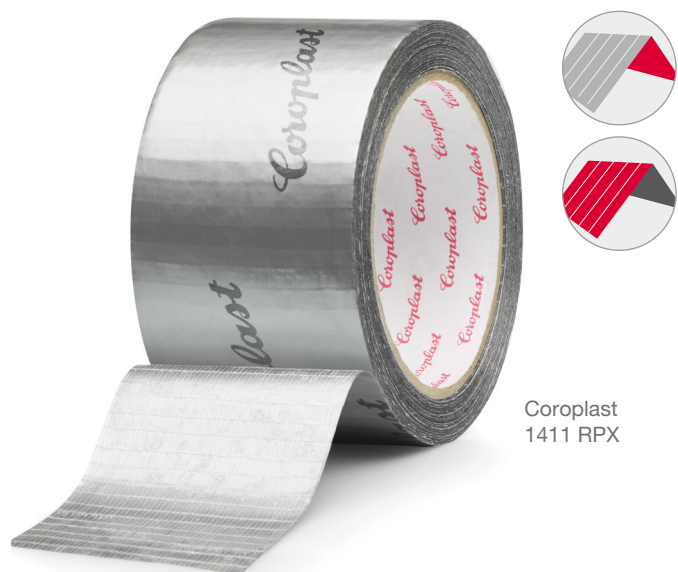
1411 RPX

- › Without interliner
- › Easy to work with, low waste volume

Private labels: customized printing and packaging in accordance with customer specifications possible



Coroplast 1410 RPX



Coroplast 1411 RPX

| Technical data | 1410 RPX | 1411 RPX |
|---------------------|--------------------------------------|--|
| Carrier | reinforced special polyethylene film | single-sided siliconised polyethylene film, reinforced |
| Adhesive | acrylic | acrylic |
| Covering | repellent paper | no interliner |
| Thickness | 0.27 mm | 0.25 mm |
| Widths | 50, 60, 75, 100 and 150 mm | 60 and 100 mm |
| Lengths | 25 m | 25 m |
| Tensile strength | 20 N/cm | 25 N/cm |
| Elongation at break | 150 % | 200 % |
| Adhesion to steel | 16.0 N/cm | 15.0 N/cm |
| Temperature range | -40 to +80 °C | -40 to +80 °C |

Coroplast 1430 RPX

Single-sided special paper adhesive tape

Coroplast 1450 RPX, 1455 RPX

Double-sided adhesive tape

Applications, advantages and properties

- › Splash-water repellent special paper adhesive tape for ensuring the airtight construction in accordance with EnEV and DIN 4108-7
- › For hermetically sealing underlay seams, vapour retarders and barriers made of fleece, PP or PE
- › Coated with special, extremely moisture-resistant acrylic adhesive for construction sites
- › Can be torn laterally
- › Good adhesion to all smooth or slightly rough substrates (e.g. films, fleece, timber, plastic)
- › Outstanding ageing properties
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Meets the strict requirements of GEV and is labelled with Ecode EC 1 plus
- › Weatherproof for approx. 3 months
- › Applicable at temperatures as low as -10°C
- › Adhesive tape in accordance with DIN 4108-11

Applications, advantages and properties

- › Double-sided adhesive tape for hermetically sealing overlapping areas of vapour retarders and barriers made of fleece, PP or PE
- › For durable fixing of films to wooden beams, metal sections and stud frames, for example
- › Good adhesion to all smooth or slightly rough substrates
- › Equipped with non-woven reinforcement and special acrylic adhesive with extremely high resistance to moisture
- › Paper interliner makes tapes easy to tear by hand
- › Strong adhesive suitable for construction sites
- › Very good ageing properties
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Applicable at temperatures as low as -10°C
- › Additional version Coroplast 6020 on page 64



Coroplast
1430 RPX



Coroplast
1450 RPX



| Technical data | 1430 RPX | 1450 RPX | 1455 RPX |
|---------------------|--------------------------------------|---------------------------------------|---------------------------------|
| Carrier | splash-water repellent special paper | adhesive with non-woven reinforcement | scrim |
| Adhesive | acrylic | acrylic | acrylic |
| Covering | siliconised film | repellent paper | repellent paper |
| Thickness | 0.30 mm | 0.2 mm | 0.20 mm |
| Widths | 50, 60, 100, 120 and 150 mm | 20 mm | 20 mm |
| Lengths | 40 m | 20 m | 20 m |
| Tensile strength | 75 N/cm | n.a. | n.a. |
| Elongation at break | 5 % | n.a. | n.a. |
| Adhesion to steel | 16.0 N/cm | 16.0 N/cm | 16.0 N/cm |
| Temperature range | -40 to $+100^{\circ}\text{C}$ | -40 to $+100^{\circ}\text{C}$ | -40 to $+100^{\circ}\text{C}$ |

Coroplast RPX-Patch

Special paper adhesive patch

Applications, advantages and properties

- › For hermetically sealing, e.g. openings in timber frame constructions and as a repair kit for vapour barrier sheeting
- › Based on Coroplast 1430 RPX
- › Equipped with special acrylic adhesive with extremely high resistance to moisture
- › Fingerlifts on longitudinal sides
- › Easy to tear at perforation
- › Good adhesion to all smooth or slightly rough substrates (e.g. films, fleece, timber, plastic)
- › Outstanding ageing properties
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Applicable at temperatures as low as -10°C
- › Also available for Coroplast types 960 RPX, 1410 RPX and 1420 RPX



Coroplast RPX-Patch

| Technical data | Coroplast RPX-Patch |
|----------------------|--------------------------------------|
| Carrier | splash-water repellent special paper |
| Adhesive | acrylic |
| Covering | repellent paper |
| Thickness | 0.3 mm |
| Widths/ moulded part | 160 mm x 160 mm; 240 mm x 250 mm |
| Lengths | 20 m |
| Tensile strength | 75 N/cm |
| Elongation at break | 5 % |
| Adhesion to steel | 16.0 N/cm |
| Temperature range | -40 to $+100^{\circ}\text{C}$ |

Hermetic attic sealing

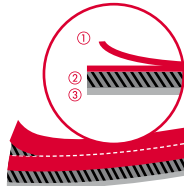
with a range of variations

Coroplast RPX adhesive tapes are specially designed for secure and durable sealing of vapour retarders and barriers on underlay seams of various types. Furthermore, they are used for sealing in wood frame construction and are also useful for repairing cavity wall insulation holes. We offer as many versions and product options as needed in the entire range of requirements for high-quality solutions in loft conversion, attic sealing and window profile penetration protection. For example, you can select RPX products as die-cut parts (patches) or as rolls. Moreover, we can offer special versions for individual requirements, e.g. splitted liner versions or equipped with a practical fingerlift for easy handling.

Rolls with split liner (SL version)

To handle sealing applications in corners or splices of membranes at roof beams, purlins or windows easily, a split liner can be very helpful. While bonding one part of the adhesive tape by removing half of the liner, the other part can be kept covered and used later separately.

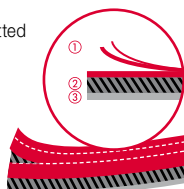
- ① Liner, splitted
- ② Adhesive
- ③ Carrier



Rolls with double split liner

For some special applications a single split liner might not be sufficient. We therefore offer RPX products in widths of e.g. 60 mm or more with a liner that is split twice. The liner can be split centrally first and 10 mm or 15 mm from the edge the second time. The narrower strip can then be used for bonding window profiles in the first step, the other strips can be removed for hermetically sealing several airtight layers.

- ① Liner, double-splitted
- ② Adhesive
- ③ Carrier



Rolls

Especially suitable for hermetically sealing longer joints on vapour retarders or interior film splice penetration points and corners in wood frame constructions. You can choose from several widths from 50 mm to 330 mm, so that parts that do not fit flush can also be sealed hermetically.

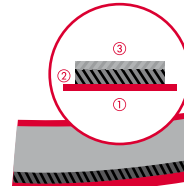
Die-cut parts (patches)

Coroplast RPX patches are used for sealing and repairing cavity wall insulation holes. We offer 160 mm x 160 mm patches but they are also ideal for repairing larger holes or damages, e.g. 250 mm x 240 mm.

Fingerlift

You can optionally select RPX products with fingerlifts on both longitudinal sides. This may accelerate the application process, as the liner can be removed easily from the tape. Coroplast RPX patches can also be ordered with fingerlifts.

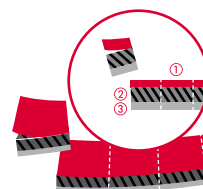
- ① Overlapping liner
- ② Adhesive
- ③ Carrier



Perforations / patches

We supply Coroplast patches with fully perforated carriers, adhesives, and liners – in defined lengths. The patches are therefore easy to tear off from the roll in uniform sizes and no additional cutting tools are required. Also available with splitted liners, e.g. as SL-version patch.

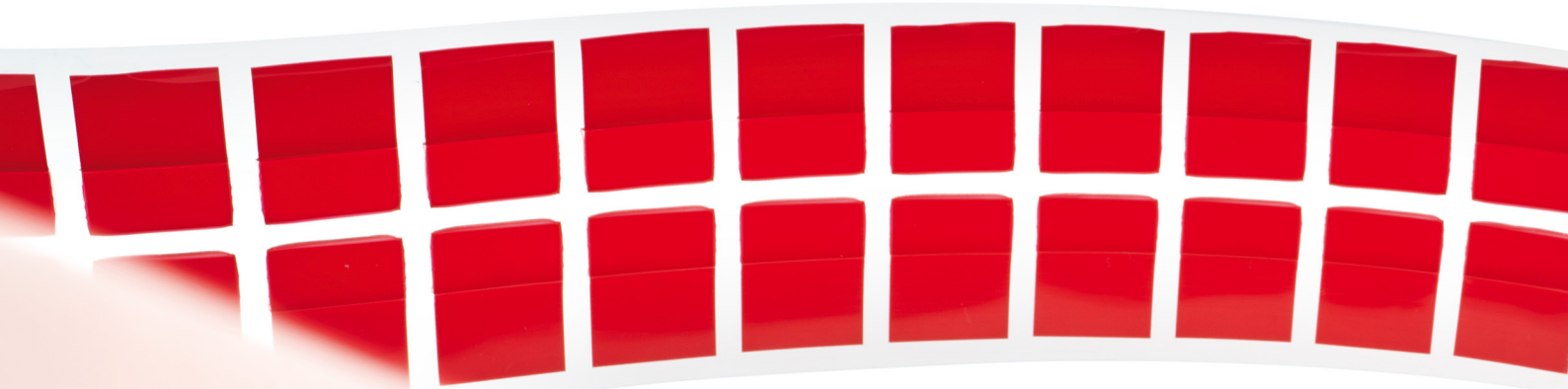
- ① Liner
- ② Adhesive
- ③ Carrier

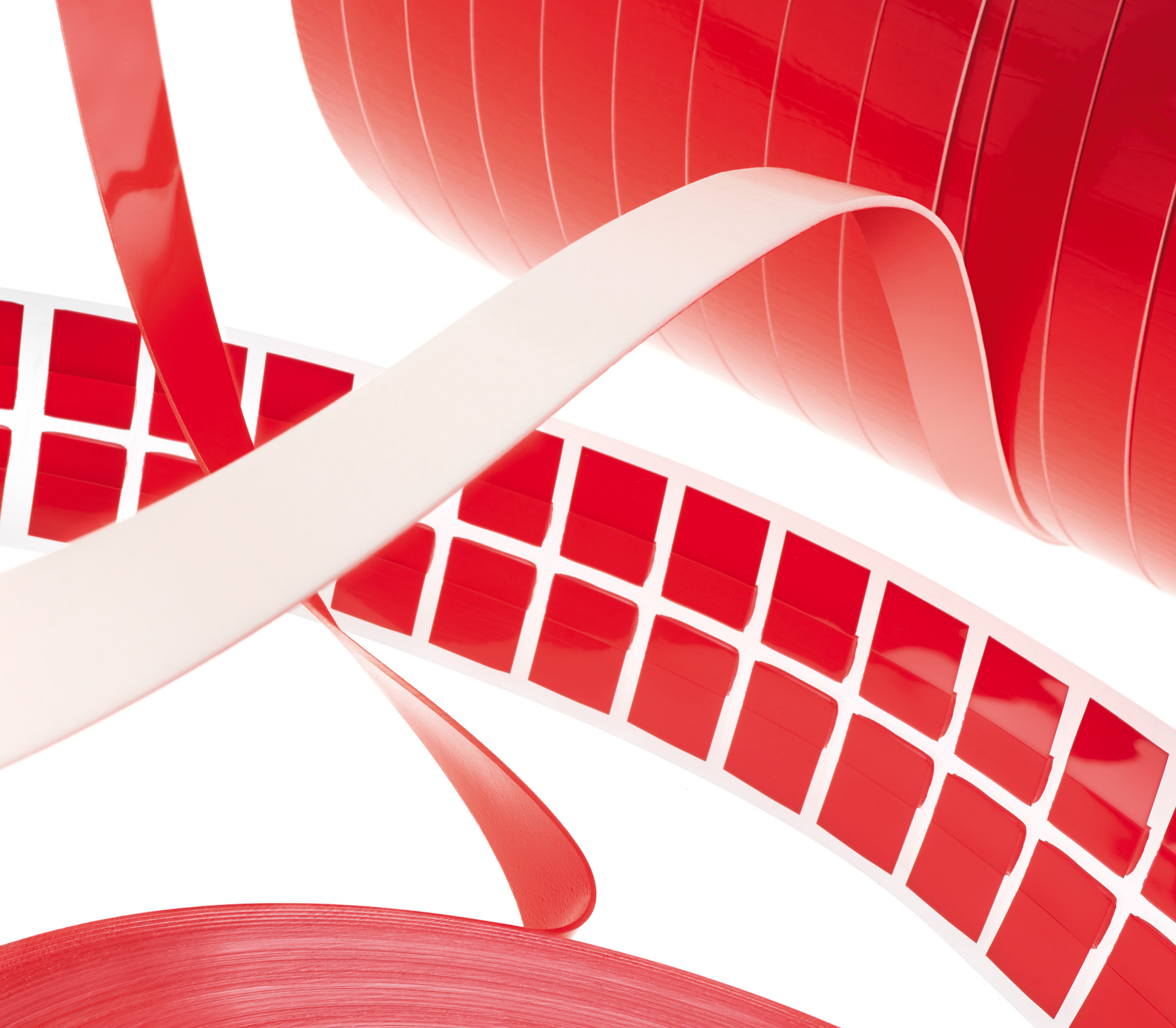


We specialise in providing adhesive tape in many different versions – customised to suit your individual requirements and applications – try us!

Fastening and joining tape systems

Double-sided adhesive systems for industrial and automotive applications





| | |
|---|---------|
| Adhesive tape information: Single-sided and double-sided adhesive tapes | 56 |
| Foam adhesive tapes 4000 series | 57 – 60 |
| Special foam adhesive tapes 5000 series | 61 – 63 |
| Transfer adhesive tapes 6000 series | 64 |
| Double-sided adhesive tapes 7000 series | 65 – 66 |
| Superior-performance adhesive tapes 9000 SPT series | 67 – 73 |
| Superior-performance sealing SPS series | 74 – 75 |

Single-sided and double-sided adhesive tapes

We manufacture your adhesive tape to meet your production requirements because we know that state-of-the-art, effective productivity is essential when working with adhesive tapes.

We can offer you expert knowledge of adhesives for a range of adhesive systems, such as:

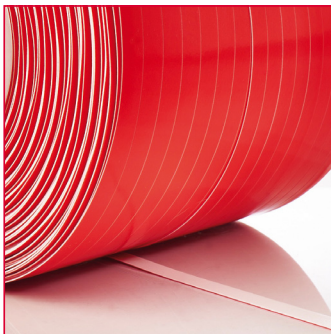
- › Acrylic masses
- › UV-cross-linked acrylic
- › Synthetic rubber
- › Solvent-based acrylic
- › Dispersion acrylic

We also offer a wide range of product and packaging options:



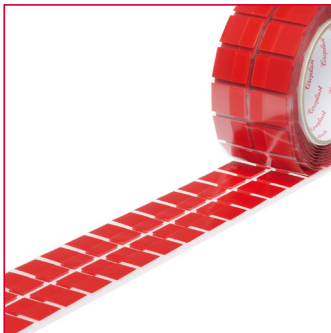
Rolls

You can order our tapes on single rolls with a range of core diameters (standard 3") and lengths – with additional overlapping liners if required. We also offer log rolls or converter rolls on request.



Level-wound spools

Appropriate for machine applications, we can offer a range of tapes on level-wound spools. Product widths of 4 mm to 29 mm are available (depending on material). To accelerate the application process you can order level-wound spools with overlapping liners.



Die-cut parts

We can offer you die-cut parts custom-designed to meet your specifications. Choose from a range of product options: on rolls, on sheets, single parts, perforated, with or without fingerlifts or overlapping liners.

We manufacture to meet your individual requirements. Furthermore, we offer customised consultation for your application and are happy to support you in optimising your process by integrating our products.

We specialise in providing adhesive tape in many different versions, customised to suit your individual requirements and applications – try us!

Coroplast 4000 series

Subseries 4100: Single-sided PE foam tape



Coroplast 4124

Coroplast 4122

Coroplast 4175

Applications, advantages and properties

- › Closed-cell, single-sided polyethylene foam adhesive tapes, coated with solvent-free, low-emission acrylic adhesive
- › For sealing, insulating, protecting and cushioning of various substrates
- › Strong initial tack, but can be corrected soon after start of adhesion
- › Very good final adhesion
- › Outstanding ageing properties
- › Available in thicknesses of 1.0 mm to 4.0 mm, depending on design

- › Suitable for indoor and outdoor use
- › Easy handling for manual application in the glass industry
- › Can be supplied as single roll, level-wound spool or die-cut part

4122, 4123, 4124

- › PE foam with film interliner and reinforcement on the adhesive side

4170, 4175

- › PE foam with paper interliner

| Technical data | 4122 | 4123 | 4124 | 4170/4175 |
|---------------------|-----------------------|-----------------------|-----------------------|---------------------------------|
| Carrier | PE foam, reinforced | PE foam, reinforced | PE foam, reinforced | PE foam |
| Colours | white, anthracite | white, anthracite | white, anthracite | 4170: white 4175: anthracite |
| Adhesive | UV acrylic | UV acrylic | UV acrylic | dispersion acrylic |
| Thickness | 2.0 mm | 3.0 mm | 4.0 mm | 1.0 mm |
| Liner | repellent film, white | repellent film, white | repellent film, white | repellent paper, honey |
| Elongation at break | 180 % | 180 % | 180 % | 150 % |
| Tensile strength | 16 N/cm | 18 N/cm | 20 N/cm | 6 N/cm |
| *Adhesion to steel | 5.0 N/cm | 5.0 N/cm | 5.0 N/cm | 6.0 N/cm* |
| Temperature range | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C |

* foam split

Coroplast 4000 series

Subseries 4200, 4210, 4231: Double-sided foam adhesive tapes with acrylic adhesive, solvent-free



Coroplast 4231

Applications, advantages and properties

- › PE foam adhesive tapes for the durable bonding of strips, profiles and muntin bars
- › Coated with moisture-resistant acrylic adhesive for indoor and outdoor application
- › Solvent-free and VOC-reduced
- › High resistance to chemicals and other external influences
- › Suitable for joining and bonding many different substrates, e.g. metal, glass, plastics (e.g. PC, ABS, PS, unplasticized PVC) and smooth wood
- › Very good initial tack and final adhesion

- › High shear strength and temperature resistance
- › Varying densities, depending on your application
- › Can be supplied in converter rolls or single rolls, level-wound spool or die-cut part, depending on size

4218

- › AAMA-certified (US market)

4231

- › High performance profile especially on plastics like PE and PP
- › Significantly higher shear strength compared to conventional UV acrylic adhesive

| Technical data | 4202 F | 4203 F | 4204 F | 4213 | 4218 | 4231 |
|---------------------|-----------------------|-----------------------|-----------------------|---|-----------------------|----------------------------|
| Carrier | PE foam | PE foam | PE foam | PE foam | PE foam | PE foam |
| Colours | white, anthracite | white, anthracite | white, anthracite | white | white | white, anthracite |
| Adhesive | UV acrylic | UV acrylic | UV acrylic | UV acrylic | UV acrylic | UV acrylic |
| Thickness | 2.0 mm | 3.0 mm | 4.0 mm | 2.0 mm | 1.6 mm | 1.0 mm |
| Liner | siliconised film, red | siliconised film, red | siliconised film, red | version F: siliconised film, red version P: repellent paper, white | siliconised film, red | repellent film, light blue |
| Elongation at break | 140 % | 160 % | 160 % | 300 % | 200 % | 300 % |
| Tensile strength | 10 N/cm | 14 N/cm | 20 N/cm | 14 N/cm | 10 N/cm | 10 N/cm |
| Adhesion to steel | 6.0 N/cm* | 6.0 N/cm* | 10.0 N/cm* | 14.0 N/cm* | 10.0 N/cm* | 13.0 N/cm* |
| Shear strength** | 1,000 min | 1,000 min | 1,000 min | 600 min | 1,200 min | 4,400 min |
| Temperature range | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C | -40 to +90 °C |

* foam split; ** 23 °C, 1.0 kg, 625 mm²

Coroplast 4000 series

Subseries 4240, 4250: Double-sided foam adhesive tapes with acrylic adhesive



Coroplast 4251 P

Coroplast 4240 F

Applications, advantages and properties

- › PE foam adhesive tapes with various densities for durable bonding of strips, profiles and muntin bars
- › Test certificates of LGA and IFT Rosenheim confirm suitability for installation purposes in the window and glass industry, the glazing trade and furniture industry (including 4240/4245)
- › Suitable for joining and bonding many different substrates, e.g. metal, glass, plastics (e.g. PC, ABS, PS, PVC) and smooth wood
- › When high standards of strength and durability are required
- › Good initial tack and excellent final adhesion
- › Suitable for indoor and outdoor use

- › Outstanding ageing properties
- › High resistance to chemicals and other external influences
- › Can be supplied as converter roll, single rolls, level-wound spools or die-cut parts, depending on size

4250, 4251

- › Excellent temperature resistance
- › PE foam with high density, particularly suitable for bonding emblems and strips

4257

- › Special PE foam with outstanding stress absorption for dry glazing

| Technical data | 4240, 4245 | 4242, 4247 | 4250 | 4251 | 4257 F |
|---------------------|---|---|---|---|-------------------------|
| Carrier | PE foam | PE foam | PE foam | PE foam | PE foam |
| Colours | 4240: white 4245: anthracite | 4242: white 4247: anthracite | black | black | black |
| Adhesive | solvent-based acrylic | solvent-based acrylic | solvent-based acrylic | solvent-based acrylic | solvent-based acrylic |
| Thickness | 1.0 mm | 1.6 mm | 0.8 mm | 0.4 mm | 2.0 mm |
| Liner | version F: siliconised film, green version P: repellent paper, white | version F: siliconised film, green version P: repellent paper, white | version F: siliconised film, green version P: repellent paper, white | version F: siliconised film, green version P: repellent paper, white | siliconised film, green |
| Elongation at break | 300 % | 200 % | 400 % | 550 % | 550 % |
| Tensile strength | 10 N/cm | 14 N/cm | 25 N/cm | 13 N/cm | 40 N/cm |
| Adhesion to steel | 10.0 N/cm* | 10.0 N/cm* | 10.0 N/cm | 8.0 N/cm | 8.0 N/cm |
| Shear strength** | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min |
| Temperature range | -40 to +90 °C | -40 to +90 °C | -40 to +100 °C | -40 to +100 °C | -40 to +100 °C |

* foam split; ** 23 °C, 1.0 kg, 625 mm²

Coroplast 4000 series

Subseries 4280 P, 4290 P: Double-sided foam adhesive tapes with synthetic rubber adhesive



Coroplast 4290 P

Applications, advantages and properties

- › PE foam, multipurpose adhesive tapes with well-balanced adhesion and shear strength
- › Can be used as an assembly aid and for bonding signs, hooks, strips and profiles, even on low-energy substrates
- › Suitable for joining and bonding many different substrates, e.g. metal, glass, smooth wood, plastics (e.g. PC, PA, ABS, PS, PE, PP, unplasticized PVC)
- › Suitable for indoor use

- › Good ageing properties
- › Can be supplied on converter rolls, single rolls, level wound spools or as die-cut parts, depending on size

4289 P, 4291 P

- › LGA test certificates confirm suitability for use in the furniture industry

4294 P

- › PE foam with high density, particularly suitable for bonding emblems

| Technical data | 4289 P | 4290 P, 4295 P | 4291 P | 4292 P, 4297 P | 4293 P, 4298 P | 4294 P |
|---------------------|-------------------------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------------|-------------------------------|
| Carrier | PE foam | PE foam | PE foam | PE foam | PE foam | PE foam |
| Colours | white | 4290 P: white 4295 P: anthracite | white | 4292 P: white 4297 P: anthracite | 4293 P: white 4298 P: anthracite | black |
| Adhesive | synthetic rubber adhesive | synthetic rubber adhesive | synthetic rubber adhesive | synthetic rubber adhesive | synthetic rubber adhesive | synthetic rubber adhesive |
| Thickness | 1.0 mm | 1.0 mm | 0.8 mm | 1.6 mm | 3.0 mm | 0.4 mm |
| Liner | siliconised paper, white-blue | repellent paper, white | siliconised paper, white-blue | repellent paper, white | repellent paper, white | siliconised paper, white-blue |
| Elongation at break | 250 % | 200 % | 330 % | 200 % | 175 % | 480 % |
| Tensile strength | 9 N/cm | 14 N/cm | 11 N/cm | 16 N/cm | 12 N/cm | 14 N/cm |
| Adhesion to steel | 10.5 N/cm* | 10.0 N/cm* | 13.0 N/cm* | 10.0 N/cm* | 7.0 N/cm* | 9.0 N/cm |
| Shear strength** | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 5,000 min | > 10,000 min |
| Temperature range | -40 to +70 °C | -40 to +70 °C | -40 to +70 °C | -40 to +70 °C | -40 to +70 °C | -40 to +70 °C |

* foam split; ** 23 °C, 1.0 kg, 625 mm²

Coroplast 5000 series

Subseries 5100: PUR foam adhesive tapes



Coroplast 5170

Applications, advantages and properties

- › Single-sided polyurethane foam adhesive tapes for wrapping and covering wire harnesses
- › Suitable for noise dampening caused by rattles and vibration in the transportation industry
- › Apart from the transportation industry it can be used in the furniture and lighting, concrete processing and air-filter construction industries
- › Reinforced with bonded / non-woven fabric
- › Easily compressible
- › Good tear resistance

| Technical data | 5170 | 5173 | 5175 |
|---------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Carrier | PUR foam, reinforced with PET scrim | PUR foam, reinforced with PET scrim | PUR foam, reinforced with PET scrim |
| Colours | anthracite | anthracite | anthracite |
| Adhesive | UV acrylic | UV acrylic | UV acrylic |
| Thickness | 4,0 mm | 3.0 mm | 5.0 mm |
| Liner | repellent paper, honey | repellent paper, honey | repellent paper, honey |
| Elongation at break | 12 N/cm | 12 N/cm | 12 N/cm |
| Tensile strength | 30 % | 30 % | 30 % |
| Adhesion to steel | 14.0 N/cm | 14.0 N/cm | 14.0 N/cm |
| Temperature range | -40 to +125 °C | -40 to +125 °C | -40 to +125 °C |

Coroplast 5000 series

Subseries 5400: Semi-closed-celled EPDM foam adhesive tapes

Subseries 5500: Closed-celled EPDM foam adhesive tapes



Coroplast 5516

Applications, advantages and properties

Subseries 5400

- › Single-sided EPDM foam adhesive tape for special cushioning and damping applications
- › Highly compressible
- › Soft elastic
- › Low-emission, solvent-free acrylic adhesive
- › Suitable for indoor and outdoor use
- › Very high resistance against temperature, weathering and fluids
- › High UV and ozone resistance
- › Additionally reinforced with PET film

Applications, advantages and properties

Subseries 5500

- › Single-sided EPDM foam adhesive tape for special sealing applications
- › Suitable for applications with reoccurring pressure due to its low compression set
- › Compressible and flexible
- › Soft elastic
- › Low-emission, solvent-free acrylic adhesive
- › Suitable for indoor and outdoor use
- › Very high resistance against temperature, weathering and fluids
- › High UV and ozone resistance
- › Sulphur-free on request (e.g. LED applications)
- › Additionally reinforced with PET film

| Technical data | 5430 | 5516 | 5530 |
|---------------------|------------------------------|-------------------------|-------------------------|
| Carrier | semi-closed-celled EPDM foam | closed-celled EPDM foam | closed-celled EPDM foam |
| Colours | black | black | black |
| Adhesive | UV acrylic | UV acrylic | UV acrylic |
| Thickness | 3.0 mm | 1.8 mm | 3.2 mm |
| Liner | repellent paper, white | repellent paper, white | repellent paper, white |
| Elongation at break | 30 N/cm | 30 N/cm | 30 N/cm |
| Tensile strength | 80 % | 80 % | 80 % |
| Adhesion to steel | 6.0 N/cm | 6.0 N/cm | 6.0 N/cm |
| Density | 90 kg/m ³ | 175 kg/m ³ | 175 kg/m ³ |
| Temperature range | -40 to +125 °C | -40 to +125 °C | -40 to +125 °C |

Coroplast 5000 series

Croup 5700: HCF adhesive tapes



Coroplast 5735

Applications, advantages and properties

- › Specialty foam tape for sealing and damping applications requiring high resilience, durability and long-lasting performance
- › Extremely low compression set
- › Low stress relaxation
- › High resilience
- › Also suitable as vibration insulation
- › Available in thicknesses from 3 to 12.8 mm

| Technical data | 5735 | 57128 |
|---------------------|---|---|
| Carrier | microcellular PUR foam, film-reinforced | microcellular PUR foam, film-reinforced |
| Colours | black | black |
| Adhesive | UV acrylic | UV acrylic |
| Thickness | 3.3 mm | 12.8 mm |
| Liner | repellent paper, white | repellent paper, white |
| Elongation at break | 9 % | 10 % |
| Tensile strength | 1,500 min | 1,500 min |
| Adhesion to steel | 14.0 N/cm | 14.0 N/cm |
| Temperature range | -40 bis +90 °C | -40 bis +120 °C |

Coroplast 6000 series

Transfer adhesive tapes



Coroplast 6001

Applications, advantages and properties

- › Adhesive film covered with double-sided, siliconised covering paper
- › For laminating and self-adhesive preparation of different materials such as felt, non-wovens, paper, foam, film or textiles
- › Suitable for joining and bonding many different substrates, e.g. metal, glass, wood, or plastics (e.g. PC, PA, ABS, PS, PVC, PP, PE)
- › Can be supplied in converter rolls, single rolls, or depending on size

6001

- › Multipurpose adhesive film with good, well-balanced adhesion and shear strength; with UV cross-linked acrylic adhesive
- › For self-adhesive preparation of labels, forms or signs; for indoor and outdoor use
- › Also available in thicknesses up to 200 µm (e.g. for equipping self-adhesive non-wovens)

6026 F

- › Multipurpose adhesive film with excellent adhesion
- › High dimensional stability due to scrim
- › For indoor and outdoor use
- › due to the high thickness also suitable for slightly rough surfaces

6090

- › Adhesive film based on synthetic rubber for self-adhesive preparation of many materials with good shear strength and excellent adhesion
- › Also suitable for bonding materials with low-energy surfaces (PP, PE, unplasticized PVC)
- › Typical fields of application include self-adhesive preparation of indoor signs, emblems and strips
- › Also available in thicknesses of up to 130 µm

Other transfer films with a range of adhesive preferences and thicknesses are available.

| Technical data | 6001 | 6026F | 6090 |
|-------------------|------------------------|------------------------|------------------------|
| Carrier | none | scrim | none |
| Adhesive | UV acrylic | UV acrylic | synthetic rubber |
| Thickness | 0.06 mm | 0.25 mm | 0.07 mm |
| Liner | repellent paper, white | repellent paper, white | repellent paper, white |
| Adhesion to steel | 10.0 N/cm* | 20.0 N/cm | 10.0 N/cm |
| Shear strength* | > 10,000 min | 25 min | > 10,000 min |
| Temperature range | -40 to +100 °C | -40 to +100 °C | -40 to +70 °C |

* 23 °C, 1.0 kg, 625 mm²

Coroplast 7000 series

Subseries 7210: Double-sided adhesive tapes with acrylic adhesive, solvent-free



Coroplast 7213

Applications, advantages and properties

- › Thin, double-sided adhesive tapes coated with UV-cross-linked acrylic adhesive
- › For laminating and self-adhesive preparation of various materials such as signs, emblems and profiles
- › Suitable for joining and bonding many different substrates, e.g. metal, glass, pre-treated wood and plastics (e.g. PC, PA, ABS, PS)
- › Solvent-free and VOC-reduced
- › Very good ageing properties
- › Outstanding initial and final adhesion and good shear strength
- › Can be supplied in converter rolls or single rolls, depending on size, or as die-cut parts
- › Further constructions available on demand

7211, 7213

- › High adhesive coating weight
- › Particularly suitable for equipping self-adhesive cellular rubber EPDM and foam rubber

7231

- › With modified UV acrylic adhesive
- › Excellent adhesive strength, especially on low-energy surfaces
- › High shear strength compared to conventional UV acrylic adhesive tapes

| Technical data | 7211 | 7212 | 7213 | 7231 |
|---------------------|-----------------------------|-----------------------------|------------------------|-----------------------------|
| Carrier | PET film, 12µm, transparent | PET film, 12µm, transparent | scrim, white | PET film, 12µm, transparent |
| Adhesive | UV acrylic | UV acrylic | UV acrylic | modified UV acrylic |
| Thickness | 0.21 mm | 0.10 mm | 0.13 mm | 0.13 mm |
| Liner | repellent paper, white | repellent paper, white | repellent paper, honey | repellent paper, blue |
| Elongation at break | 110 % | 110 % | n.a. | 110 % |
| Tensile strength | 25 N/cm | 25 N/cm | n.a. | 25 N/cm |
| Adhesion to steel | 10.0 N/cm | 8.0 N/cm | 13.0 N/cm | 12.0 N/cm |
| Shear strength* | 1,500 min | 5,000 min | 150 min | 5,000 min |
| Temperature range | -40 to +100 °C | -40 to +120 °C | -40 to +80 °C | -40 to +100 °C |

* 23 °C, 1.0 kg, 625 mm²

Coroplast 7000 series

Subseries 7265, 7280: Double-sided adhesive tapes with other adhesives



Coroplast 7265

Applications, advantages and properties

- › Thin, double-sided adhesive tapes coated with solvent-based or dispersion acrylic adhesives
- › For laminating and self-adhesive preparation of various materials such as signs, emblems and decorative trim, as well as for splicing paper and film webs
- › Suitable for joining and bonding many different substrates, e.g. metal, glass and various types of plastic (e.g. PC, PA, ABS, PS)
- › High shear strength and adhesion
- › Can be supplied as converter roll, single roll, level wound spool or as die-cut part, depending on size

7280

- › Double-sided thin paper non-woven carrier with dispersion acrylic adhesive for indoor use

| Technical data | 7265 | 7280 | 7290 |
|---------------------|---|------------------------|------------------------|
| Carrier | PET film, 12 µm, transparent | paper non-woven | paper non-woven |
| Adhesive | mod. solvent-based acrylic | dispersion acrylic | synthetic rubber |
| Thickness | 0.2 mm | 0.13 mm | 0.12 mm |
| Liner | version F: siliconised film, light-red version P: repellent paper, honey | repellent paper, honey | repellent paper, white |
| Elongation at break | 40 % | 6 % | 6 % |
| Tensile strength | 15 N/cm | 10 N/cm | 10 N/cm |
| Adhesion to steel | 11.0 N/cm | 7.0 N/cm | 10.0 N/cm |
| Shear strength* | > 6,000 min | 400 min | > 10,000 min |
| Temperature range | -40 to +150 °C | -40 to +80 °C | -40 to +80 °C |

* 23 °C, 1.0 kg, 625 mm²

Coroplast 9000 SPT series – high-performance adhesive tapes

Designed for use in extremely demanding applications

Coroplast 9000 SPT series superior-performance adhesive tapes are characterised by their homogeneous, uniformly acrylic adhesive composite. As a result, their performance is far superior to conventional double-sided foam adhesive tapes.

Whether in industrial applications or in the automotive sector, using Coroplast Series 9000 SPT high-performance adhesive tapes is a reliable and economical method for durably bonding a broad range of materials. In many cases, Coroplast superior-performance adhesive tapes can replace mechanical joining methods, such as screws, rivets, spot welds or soldering.



Coroplast 9030 SPT

Coroplast Series 9000 SPT is as multifaceted as its fields of application:

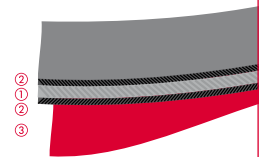
- › Automotive industry
- › Aerospace and shipping industry
- › Windows and wall panelling
- › Advertising and displays
- › Furniture industry
- › Electronics industry
- › Electrical appliances
- › Windows and doors

Ideal for bonding:

- › Decorative and protective strips
- › Attachments, accessories
- › Emblems and cladding
- › Profile seals
- › Damping plates
- › Window systems, blinds, brackets
- › Reinforcement profiles, signs, scales, seals
- › LEDs, PCB

Adhesive tape structure (schematic):

- ① Closed-cell, self-adhesive and homogeneous acrylic mass (in various thicknesses and colours)
- ② Double-sided modifications of adhesion to increase the adhesion on special substrates: e.g. using heat-activated adhesive or modified acrylic adhesive
- ③ Liner (paper or film)



The performance profile of the series 9000 SPT includes the following aspects:

- › Excellent adaptability to the bonding components
- › High stress absorption due to its viscoelastic behaviour
- › Good shock resistance
- › High inner strength
- › Good ageing properties and long-term durability
- › Good temperature and media resistance
- › Good resistance to plasticizers
- › Excellent final bond strength

Coroplast 9000 SPT series

Subseries 9000: High-performance adhesive tapes, transparent

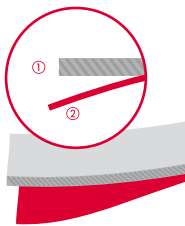


Coroplast 9010 SPT

Applications, advantages and properties

- › Highly transparent and viscoelastic acrylic adhesive mass with good, well-balanced performance profile
- › Particularly suitable for applications that require highly transparent and permanent adhesive tape
- › Multipurpose tape for indoor and outdoor use
- › Applications include bonding metal and glass, transparent plastics, signs, profiles and emblems
- › Excellent adhesion and shear strength values
- › Adhesive tape thickness between 0.05 mm and 3.0 mm are available
- › Can be supplied in converter rolls, single rolls, level wound spools, die-cut parts or in DIY packaging (assembly set) in a pillow pack (e.g. 9005 SPT) upon request

- ① Acrylic mass transparent
- ② Release liner



| Technical data | 9001 SPT | 9002 SPT | 9003 SPT | 9005 SPT | 9010 SPT | 9015 SPT | 9020 SPT | 9025 SPT | 9030 SPT |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Adhesive | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass |
| Colours | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour | transparent, no colour |
| Thickness | 0.05 mm | 0.13 mm | 0.25 mm | 0.5 mm | 1.0 mm | 1.5 mm | 2.0 mm | 2.5 mm | 3.0 mm |
| Liner | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red |
| Elongation at break | n.a. | n.a. | 750 % | 750 % | 750 % | 750 % | 750 % | 750 % | 600 % |
| Tensile strength | n.a. | n.a. | n.a. | 9 N/cm | 11 N/cm | 20 N/cm | 23 N/cm | 27 N/cm | 29 N/cm |
| Adhesion to steel | 14.0 N/cm | 16.0 N/cm | 18.0 N/cm | 20.0 N/cm | 24.0 N/cm | 30.0 N/cm | 30.0 N/cm | 30.0 N/cm | 30.0 N/cm |
| Shear strength* | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min |
| Temperature range | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C |

* 23/70 °C, 1.0 kg, 625 mm²

Coroplast 9000 SPT series

Subseries 9100: High-performance adhesive tapes, grey



Coroplast 9111 SPT

Applications, advantages and properties

- › Viscoelastic, closed-cell, grey acrylic adhesive mass with very good ability to adapt to bonding components
- › Multipurpose tape for indoor and outdoor use
- › Typical applications include mounting of strips, profiles, muntin bars or a variety of plastic and metal parts
- › Excellent temperature resistance
- › Outstanding adhesion and shear strength
- › Adhesive tape thickness between 0.4 mm and 1.5 mm are available
- › Can be supplied in converter rolls, single rolls, level wound spool or die-cut parts

- ① Acrylic mass grey
- ② Release liner



| Technical data | 9104 SPT | 9106 SPT | 9108 SPT | 9111 SPT | 9115 SPT |
|---------------------|----------------|----------------|----------------|----------------|----------------|
| Adhesive | acrylic mass | acrylic mass | acrylic mass | acrylic mass | acrylic mass |
| Colours | grey | grey | grey | grey | grey |
| Thickness | 0.4 mm | 0.6 mm | 0.8 mm | 1.1 mm | 1.5 mm |
| Liner | PE film, red | PE film, red | PE film, red | PE film, red | PE film, red |
| Elongation at break | 750 % | 750 % | 750 % | 750 % | 750 % |
| Tensile strength | 5 N/cm | 7 N/cm | 10 N/cm | 15 N/cm | 20 N/cm |
| Adhesion to steel | 25.0 N/cm | 29.0 N/cm | 37.0 N/cm | 37.0 N/cm | 38.0 N/cm |
| Shear strength* | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min | > 10,000 min |
| Temperature range | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C | -40 to +160 °C |

* 23/70 °C, 1.0 kg, 625 mm²

Coroplast 9000 SPT series

Subseries 9300: High-performance adhesive tapes, white



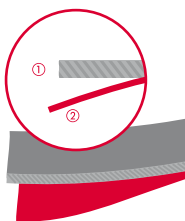
Coroplast 9311 SPT

Applications, advantages and properties

- › Viscoelastic, closed-cell, white acrylic adhesive mass with very good flexibility to bonding components
- › Multipurpose tape for indoor and outdoor use
- › Typical applications include mounting of strips, profiles, muntin bars or accessories made of metal and plastics

- › Excellent temperature resistance
- › Outstanding adhesion and shear strength values
- › Adhesive tape thickness of 0.6 mm and 1.1 mm are available
- › Can be supplied as converter roll, single roll, level wound spool or die-cut part

- ① Acrylic mass, white
- ② Release liner



| Technical data | 9306 SPT | 9311 SPT |
|---------------------|----------------|----------------|
| Adhesive | acrylic mass | acrylic mass |
| Colours | white | white |
| Thickness | 0.6 mm | 1.1 mm |
| Liner | PE film, red | PE film, red |
| Elongation at break | 750 % | 750 % |
| Tensile strength | 7 N/cm | 15 N/cm |
| Adhesion to steel | 29.0 N/cm | 37.0 N/cm |
| Shear strength* | > 10,000 min | > 10,000 min |
| Temperature range | -40 to +160 °C | -40 to +160 °C |

* 23/70 °C, 1.0 kg, 625 mm²

Coroplast 9000 SPT series

Subseries 9400: High-performance adhesive tapes, coloured, translucent



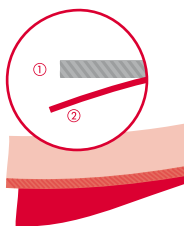
Coroplast 9410 SPT

Applications, advantages and properties

- › Coloured, translucent adhesive tape made of a viscoelastic acrylic adhesive mass with very good ability to adapt to bonding components
- › Particularly suitable for applications that require a slightly translucent adhesive surface, e.g. for the glass furniture and metal fittings industries and for colouring of glass objects

- › Range of colours and thicknesses available
- › Multipurpose tape for indoor and outdoor use
- › Very good adhesion and shear strength
- › Can be supplied as converter roll, single roll, level wound spool or die-cut part

- ① Acrylic mass coloured, translucent
- ② Release liner



| Technical data | 9404 SPT | 9410 SPT |
|---------------------|---|---|
| Adhesive | acrylic mass | acrylic mass |
| Colours | black-translucent, other colours available on request | black-translucent, other colours available on request |
| Thickness | 0.4 mm | 1.0 mm |
| Liner | PE film, red | PE film, red |
| Elongation at break | 750 % | 750 % |
| Tensile strength | 9 N/cm | 11 N/cm |
| Adhesion to steel | 18.0 N/cm | 18.0 N/cm |
| Shear strength* | 10,000 min | 10,000 min |
| Temperature range | -40 to +160 °C | -40 to +160 °C |

* 23/70 °C, 1.0 kg, 625 mm²

Coroplast 9000 SPT series

Subseries 9900: High-performance adhesive tapes, modified



Coroplast 9911 SPT

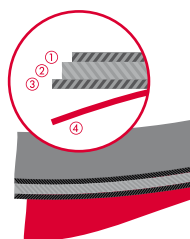
Applications, advantages and properties

- › Highly elastic acrylic adhesive with very strong immediate adhesion, e.g. to automotive and powder coatings, or to high- or low-energy surfaces
- › Viscoelastic and therefore optimal for tight radiuses and bonding on curves
- › Multipurpose tape for indoor and outdoor use

- › Typical applications include the self-adhesive preparation of trim, profiles, seals and strips in the automotive and supply industry
- › Excellent temperature resistance
- › Outstanding adhesion and shear strength values
- › Can be supplied as converter roll, single roll, level wound spool or die-cut part

Example of the product structure (schematic) of Coroplast 9915 SPT

- ① Modified acrylic
- ② Grey acrylic core
- ③ Modified acrylic
- ④ Release liner



| Technical data | 9904 SPT | 9908 SPT | 9911 SPT | 9915 SPT | 9930 SPT |
|---------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Adhesive | acrylic mass, modified | acrylic mass, modified | acrylic mass, modified | acrylic mass, modified | acrylic mass, modified |
| Colours | grey | grey | grey | grey | grey |
| Thickness | 0.5 mm | 0.9 mm | 1.2 mm | 1.6 mm | 3.1 mm |
| Liner | siliconised film, green | siliconised film, green | siliconised film, green | siliconised film, green | siliconised film, green |
| Elongation at break | 750 % | 750 % | 750 % | 750 % | 650 % |
| Tensile strength | 6 N/cm | 10 N/cm | 16 N/cm | 20 N/cm | 22 N/cm |
| Adhesion to steel* | 30.0 N/cm | 33.0 N/cm | 36.0 N/cm | 38.0 N/cm | 50.0 N/cm |
| Temperature range | -40 to +120 °C | -40 to +120 °C | -40 to +120 °C | -40 to +120 °C | -40 to +120 °C |

* 90 ° peel-off after 72 h, reinforced with aluminium

Coroplast 9000 SPT series

Subseries 9000 SPT HA: High-performance adhesive tapes, heat-activated

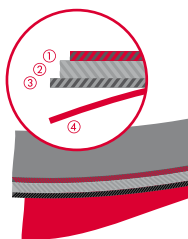


Coroplast 9911 SPT HA

Applications, advantages and properties

- › Heat-activated and modified acrylic masses with good ability to adapt to bonding components and excellent performance profile
- › Side 1 consists of a heat-activated layer for sealing the tape on elastomeric components, e.g. EPDM rubber profiles; side 2 is coated with a layer of modified adhesive with strong initial tack on, e.g. automotive coatings, or on high- or low-energy surfaces
- › Typical applications include bonding seals or the self-adhesive preparation of strips, profiles, cover plates, etc.
- › Viscoelastic and therefore optimal for tight radiuses and bonding on curves
- › Multipurpose tape for indoor and outdoor use
- › Very broad resistance to temperature fluctuations
- › Outstanding adhesion and shear strength
- › Can be supplied as single roll and as level-wound spool
- › For industrial use, technical heat-activation equipment is required; please enquire for further details

- ① Heat-activated adhesive
- ② Grey acrylic core
- ③ Modified acrylic
- ④ Release liner



| Technical data | 9904 SPT HA | 9908 SPT HA | 9911 SPT HA |
|---------------------|--|--|--|
| Adhesive | acrylic mass page 1: heat-activated page 2: modified | acrylic mass page 1: heat-activated page 2: modified | acrylic mass page 1: heat-activated page 2: modified |
| Colours | grey | grey | grey |
| Thickness | 0.5 mm | 0.9 mm | 1.1 mm |
| Liner | siliconised film | siliconised film | siliconised film |
| Elongation at break | 450 % | 450 % | 450 % |
| Tensile strength | 25 N/cm | 25 N/cm | 25 N/cm |
| Adhesion to steel* | 30.0 N/cm | 33.0 N/cm | 36.0 N/cm |
| Adhesion on EPDM* | 40 N/cm | 40 N/cm | 40 N/cm |
| Temperature range | -40 to +120 °C | -40 to +120 °C | -40 to +120 °C |

* 90° peel-off after 72 h, reinforced with aluminium

High-performance sealing

Extraordinary performance for self-adhesive sealings

The superior performance sealing mass (SPS) is a unique combination, because it unites the advantages of liquid adhesives and adhesive tapes.

Coroplast SPS sticks without any setting time and shows highly elastic, transparent and plastic properties during processing. On the other hand it can be applied clean and easy from the roll. Therefore, Coroplast SPS is the perfect alternative product to butyl rubber sealing tapes. The sealing effect is similar, but the resistance against fluids and temperature is incomparably higher.



Coroplast SPS series -

as diverse as its application areas in e.g.:

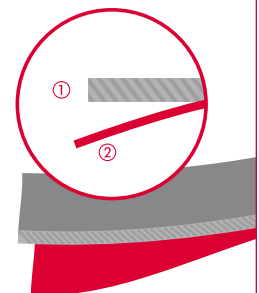
- › Automotive industry
- › Window and door industry
- › Building and construction (HVAC)
- › Glass and facade construction
- › Shipbuilding
- › Electronic industry (splices)
- › White goods industry

Typical surfaces to bond or seal:

- › Plaster, concrete, stone
- › Insulating foams such as XPS
- › Steel, aluminium
- › Ceramic
- › Glass
- › Polystyrene
- › Wood, OSB
- › Polyolefine plastics such as PE, PP

Sealing construction (schematic):

- ① Closed-celled, self-adhesive and homogeneous acrylic sealing mass
- ② Liner (paper or film, if necessary double-sided repellent)



Material properties at a glance:

- › Quick, clean and easy to apply direct from the roll
- › Ultra-strong bond instantly, no setting time
- › Minimal creep behaviour
- › Permanently elastic, maximum flexibility, good (plastic) ductility
- › Waterproof, free of plasticisers and solvents
- › Suitable for processing at below-zero temperatures down to -20°C , very good temperature and media resistance
- › Perfect for a very wide range of surfaces

Coroplast SPS series

High-performance sealing



Coroplast 90715 SPS

Applications, advantages and properties

- › Highly elastic, plastic sealing, made of highly transparent acrylic adhesive with outstanding adaptability to its bonding partners
- › Universal usage, indoor and outdoor
- › Excellent temperature range
- › Processible from -20 °C
- › Outstanding initial adhesion (tack)
- › Replaces liquid sealings and adhesives due to eliminated setting time
- › Outclasses common sealing masses (e.g. butyl rubber) in transparency and media resistance
- › Can be supplied as single roll or die-cut part, level-wound spools on request

| Technical data | 90705 SPS | 90710 SPS | 90715 SPS |
|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Sealing mass | acrylic | acrylic | acrylic |
| Colours | transparent | transparent | transparent |
| Thickness | 0.5 mm | 1.0 mm | 1.5 mm |
| Liner | repellent film, transparent | repellent film, transparent | repellent film, transparent |
| T-block tensile strength on aluminium | 32.0 N/cm ² | 26.0 N/cm ² . | 32.0 N/cm ² |
| Temperature range* | -40 to +150 °C | -40 to +150 °C | -40 to +150 °C |

* covered and glued

Special applications





| | |
|---|----|
| Adhesive tapes based on UHMW-PE | 78 |
| Anti-corrosion tape based on PE | 79 |
| Allround sealing tapes | 80 |
| Repairing and fastening tapes | 81 |
| Transparent multi-purpose tapes | 82 |
| Non-adhesive tapes and films based on plasticized PVC | 83 |

Coroplast 7300 series

Adhesive tapes based on UHMW-PE



Coroplast 7364

Applications, advantages and properties

- › Suitable for combined applications as spacer and sliding aid, e.g. in the automotive industry
- › Suitable for indoor and outdoor use
- › Excellent sliding and abrasion-resistant properties
- › Outstanding resistance against fluids such as acids and lyes
- › Other thicknesses available on request
- › Can be supplied as converter roll, single roll, level-wound spool or die-cut part, depending on thicknesses

7343, 7344, 7345

- › Excellent dimension stability

7364

- › Also suitable for applications on uneven surfaces
- › High stress absorption of the adhesion

| Technical data | 7343 | 7344 | 7345 | 7364 |
|---------------------|------------------------|------------------------|------------------------|------------------------|
| Adhesive | solvent-based acrylic | solvent-based acrylic | solvent-based acrylic | acrylic |
| Colours | white | white | white | white |
| Thickness | 1.0 mm | 1.2 mm | 1.6 mm | 0.62 mm |
| Liner | repellent paper, white | repellent paper, white | repellent paper, white | repellent paper, white |
| Elongation at break | 250 % | 250 % | 250 % | 200 % |
| Tensile strength | 200 N/cm | 200 N/cm | 200 N/cm | 45 N/cm |
| Adhesion to steel | 6.0 N/cm | 6.0 N/cm | 6.0 N/cm | 20.0 N/cm |
| Temperature range* | -40 to +100 °C | -40 to +100 °C | -40 to +100 °C | -40 to +100 °C |

Coroplast 1000 PE series

Anti-corrosion tape, PE-based



Coroplast 1053 PE

Applications, advantages and properties

- › Polyethylene adhesive tapes as final wrapping on bitumen or butyl-coated welds of steel pipes, which offer secure mechanical protection
- › Anti-corrosion tape for installation pipes
- › Excellent resistance to ageing
- › Strong adhesion, even on tape backing
- › Can also be used at low temperatures
- › Functions as water vapour barrier when wrapped in several layers
- › Excellent electrical insulating properties

1051 PE

- › High flexibility

1053 PE

- › Sealing tape in air duct construction, for sealing in prestressed concrete structures as sealing tape for pipes carrying cold fluids, for protecting masts

1054 PE

- › As additional mechanical protection of high-grade stainless-steel pipes (e.g. in wastewater treatment plants)
- › Adhesive tape for protecting underground pipelines
- › Anti-corrosion tape for conduit pipes laid in masonry

1056 PE

- › Same as 1054 PE but provides greater mechanical load capacity

| Technical data | 1051 PE | 1053 PE | 1054 PE | 1056 PE |
|---------------------|-----------------------------------|-----------------------------------|--|--|
| Carrier | polyethylene film | polyethylene film | polyethylene film | polyethylene film |
| Adhesive | synthetic rubber | synthetic rubber | synthetic rubber | synthetic rubber |
| Thickness | 0.15 mm | 0.20 mm | 0.25 mm | 0.40 mm |
| Colours | black | black | black | black |
| Widths | 19, 25, 30, 38, 50, 75 and 100 mm | 19, 25, 30, 38, 50, 75 and 100 mm | 19, 25, 30, 38, 50, 75, 100 and 200 mm | 19, 25, 30, 38, 50, 75, 100 and 150 mm |
| Lengths | 10 and 25 m | 10 and 20 m | 15 m | 10 m |
| Tensile strength | 20 N/cm | 28 N/cm | 38 N/cm | 48 N/cm |
| Elongation at break | 320 % | 400 % | 400 % | 500 % |
| Adhesion to steel | 5.0 N/cm | 6.3 N/cm | 6.3 N/cm | 6.3 N/cm |
| Temperature range | -50 to +50 °C | -50 to +50 °C | -50 to +50 °C | -50 to +50 °C |

Coroplast 1665 SPS, 1720 SPS

Allround sealing tapes



Coroplast 1720 SPS

Applications, advantages and properties

- › Universally applicable sealing tape
- › Effective barrier against liquids and moisture
- › Strong adhesion to almost all common substrates
- › Halogen-free
- › Excellent UV, weathering and aging resistance
- › Patented technology of sealing mass

1665 SPS

- › Stable, 4-layer aluminum multilayer carrier
- › High abrasion resistance of the carrier
- › Suitable for bonding on floors or other surfaces with heavy wear and tear

1720 SPS

- › Excellent flexibility of the PP film carrier
- › Optimum adaptability to the nature of the joints and surfaces to be sealed, even with rough materials

| Technical data | 1665 SPS | 1720 SPS |
|---------------------------|--|------------------------------|
| Carrier | 4-layer laminate made of special thermoplastic and aluminium films | PP film |
| Adhesive | acrylic | acrylic |
| Liner | aluminium | black |
| Thickness | 1.55 mm | 1.1 mm |
| Widths | 50, 60, 75 and 100 mm | 50, 60, 75 and 100 mm |
| Lengths | 10 m | 10 m |
| Tensile strength | 45 % | 800 % |
| Elongation at break | 90 N/mm ² | 17 N/mm ² |
| Adhesion to steel | 11.0 N/cm * | 11.0 N/cm * |
| Temperature range | -40 to +150 °C | -40 to +120 °C |
| Water vapour permeability | < 40 g/m ² x 24 h | < 40 g/m ² x 24 h |

* only adhesive film without carrier was tested

Coroplast 1410 X

Agricultural and repair adhesive tape



Coroplast 1410 X

Coroplast 8200

PE-coated adhesive cloth tapes/Duct tapes



Coroplast 8200

Applications, advantages and properties

- › For easy sealing or repairing of tears and holes of plant protection films and harvest nets
- › Suitable for repairing greenhouses
- › Acrylic adhesive with excellent water and ageing resistance
- › Solvent-free adhesive
- › Good UV resistance
- › Highly flexible, hand-tearable, with excellent elasticity
- › Good temperature resistance
- › Excellent water vapour resistance
- › Good adhesion to several smooth or slightly rough substrates e.g. films, non-woven, glass, plastics or lumber

Applications, advantages and properties

- › Very good duct tape quality for all common assembly works for construction, fairs and industry
- › Universal use on a range of substrates
- › Secure sealing of ventilation pipes and air-conditioning conduits
- › Easy to tear laterally by hand, smooth and perfect tear-off edge
- › Resistant to ageing and moisture-repellent
- › Rubber adhesive demonstrates very strong adhesion and shear strength
- › High tensile strength longitudinally due to dense cloth structure

| Technical data | 1410 X | 8200 |
|---------------------|--------------------------------|-------------------------------|
| Carrier | PE film, reinforced with scrim | PE-coated adhesive cloth tape |
| Adhesive | acrylic | rubber |
| Liner | repellent paper, white | 0.3 mm |
| Thickness | 0.28 mm | silver, white, black |
| Colours | transparent | 50, 75 and 100 mm |
| Widths | 60, 80 and 160 mm | 25 and 50 m |
| Lengths | 25 m | 40 N/cm |
| Tensile strength | 25 N/cm | 3 % |
| Elongation at break | 450 % | 50.0 N/cm |
| Adhesion to steel | 14.0 N/cm | -20 to +80 °C |
| Temperature range | -40 to +80 °C | -40 bis +80 °C |

Coroplast 1335 XE, 875 X Coroplast 902, 904

Fastening tapes with PET carriers

Adhesive films for laminating book covers and maps



Coroplast 1335 XE



Coroplast 902, 904

Applications, advantages and properties

- › Ideally suitable for fastening and assembling flat cables (e.g. FPC, FFC harnesses) in the automotive industry on substrates free of release agents, e.g. on headliners, molded parts, door panels, etc.
- › For bonding plastic and non-wovens and as an assembly aid
- › Resistant to ageing and rotting
- › Very good resistance to cold and heat
- › Low-emission and halogen-free
- › Transparent polyester film adhesive tape with a very strong, modified acrylic adhesive

875 X

- › Highly flexible and smooth PET non-woven carrier
- › Suitable for bonding wire harnesses to challenging surfaces such as roof linings

Applications, advantages and properties

- › For laminating and protecting books, drawings, maps and documents
- › Excellent transparency
- › Outstanding resistance to ageing
- › Permanent protection
- › Grid marks on the backing paper enable straight and right-angled cutting edges
- › Wipeable surface
- › Can be written on

902

- › Weaker adhesive allows correction of the initial application

904

- › Strong adhesive, particularly suitable for structured surfaces, linen bindings, etc.

| Technical data | 1335 XE | 875 X | 902 | 904 |
|---------------------|------------------|-------------------------------|--|--|
| Carrier | PET film | PET non-woven | plasticized PVC film | plasticized PVC film |
| Adhesive | acrylic | acrylic | acrylic | acrylic |
| Backing | none | repellent paper, honey | siliconised paper with grid pattern, red | siliconised paper with grid pattern, green |
| Thickness | 0.10 mm | 0.25 mm | 0.10 mm | 0.10 mm |
| Colours | transparent | white | transparent, matt | transparent, matt |
| Widths | 25, 30 and 50 mm | 20, 30, 38, 50, 70 and 100 mm | 500 and 1,000 mm | 500 and 1,000 mm |
| Lengths | 25 and 50 m | 25, 50 and 100 m | 10 and 25 m | 10 and 25 m |
| Tensile strength | 55 N/cm | 15 N/cm | 17 N/cm | 17 N/cm |
| Elongation at break | 100 % | 15 % | 130 % | 130 % |
| Adhesion to steel | 9.0 N/cm | 10.0 N/cm | 2.1 N/cm | 3.5 N/cm |
| Temperature range | -40 to +110 °C | -40 to +125 °C | -10 to +90 °C | -10 to +90 °C |

Coroplast 331, 332

Transparent adhesive tapes based on plasticized PVC



Coroplast 331, 332

Coroplast Cable Tapes

Non-adhesive tapes and films based on plasticized PVC



Coroplast BB-36, BB-32

Applications, advantages and properties

- › Multipurpose, transparent adhesive tape
- › Binding tape for the production of orthoses and prostheses
- › For bundling and bandaging cables and wires
- › Closure patch for cans and boxes
- › For insulating armatures and coils
- › As an assembly aid
- › Very good resistance to ageing
- › Very soft, ductile film

Applications, advantages and properties

- › For bundling cable harnesses and insulating during cable assembly
- › As masking material in the electroplating industry
- › For fabricating insulating sheaths for conduit pipes and for use in technical insulation
- › High resistance to ageing
- › Very good resistance to chemicals

| Technical data | 331 | 332 |
|---------------------|-------------------------------------|-------------------------------------|
| Carrier | plasticized PVC film | plasticized PVC film |
| Adhesive | acrylic | acrylic |
| Backing | none | none |
| Thickness | 0.10 mm | 0.15 mm |
| Colours | transparent | transparent |
| Widths | 9, 12, 15, 19, 25, 30, 38 and 50 mm | 9, 12, 15, 19, 25, 30, 38 and 50 mm |
| Lengths | 10 and 25 m | 10 and 25 m |
| Tensile strength | 22 N/cm | 30 N/cm |
| Elongation at break | 180 % | 190 % |
| Adhesion to steel | 2.1 N/cm | 2.1 N/cm |
| Temperature range | -40 to +105 °C | -40 to +105 °C |

| Standard versions | BB-32 | BB-36 | BC-32 |
|-------------------|---------------------------|---------------------------------------|---------------------------------------|
| Thickness | 0.15 mm | 0.15 mm | 0.20 mm |
| Colours | light grey 788, black | yellow, grey | transparent |
| Widths | 20, 30, 50, 80 and 100 mm | 15, 20, 25, 30, 40, 50, 60 and 100 mm | 15, 20, 25, 30, 40, 50, 60 and 100 mm |
| Lengths | 10 and 25 m | 100 m | 100 m |

| Properties | |
|----------------|---|
| Material | plasticized PVC |
| Shore hardness | shore D 60–A 91 |
| Colours | black, grey, transparent, light grey 788, yellow |
| Widths | 10 to 600 mm |
| Lengths | any, limited by the maximum outer diameter (445 mm) |
| Core forms | wound with or without core |

Glossary

Abrasion resistance

Abrasion resistance is the resistance of an adhesive tape to rubbing or friction. Adhesive tapes are classified according to abrasion classes A (low abrasion resistance) to G (outstanding abrasion resistance for special applications) in line with CTM 312.

Acrylic adhesive

Acrylic adhesives are made of polymerised acrylic acid esters. They can be mixed with resin to enhance tack. These adhesives are available as solutions, watery dispersions or as hot melt adhesives. Their special characteristics include high ageing, temperature and chemical resistance, good compatibility with cable insulations and high resistance to UV radiation and oxidation.

Adhesion

Adhesion describes the hold between the surface of the adhesive tape and the taped material.

Adhesive force

Adhesive force combines the terms adhesion and cohesion and describes the force that is necessary to remove an adhesive tape from a surface. Standardised laboratory tests per EN 1939 are conducted to achieve comparable values. A 20 mm-wide strip of adhesive tape is applied to a steel plate and rolled on with a steel roller. It is then pulled off at a specified speed and at an angle of 180° and the force required to pull it off is measured in N/cm.

Ageing resistance

Adhesive tapes used in the automotive industry are subjected to various ageing tests (e.g. temperature endurance tests) to ascertain whether and how their properties change as a result.

Backing material

The backing material is the carrier material to which the adhesive is applied.

Breakdown voltage

The minimum voltage that makes an insulator act as a conductor. It is significant for electrical insulating tapes and is measured in kV/mm.

Cohesion

Cohesion describes the inner stability of the adhesive. Adhesives with low cohesion leave a residue on the substrate when the adhesive tape is removed.

Compatibility

Ability of two or more materials to interact without impairing the performance of any one component. A good compatibility of the adhesive tape with the cable insulation is a necessity when the cables are being wound.

CTM 312

A recognised testing guideline (Coroplast Test Method) based on the previous LV (Leistungs-Vorschrift) published by German automotive manufacturers for rating of wire harness tapes.

Dispersion adhesive

In dispersion adhesives, the adhesive polymer particles are finely dispersed in water. Most dispersion adhesives are solvent-free. Emulsifiers have to be added to stabilise the dispersion.

Elongation at break

The strain required to break the material. For adhesive tapes this is specified according to EN 14410 and it is stated in %.

Hot-melt adhesive

A solvent-free adhesive that is applied hot. Both acrylic adhesives and synthetic rubber-based adhesives can be processed hot.

Initial tack

Pressure-sensitive adhesives bond on contact. This is called initial tack. Some adhesives, especially adhesives on a butyl or acrylate basis, only achieve maximum adhesion some hours or days after they have been applied.

Laminate

Different backing materials are joined inseparably (laminated) whereby the combination of their respective properties results in a new back material.

Leak tightness

Leak tightness is a material's barrier function against substances such as chemicals, moisture or gas.

Liner

Films and papers coated on one or both sides with silicone are used as liners for pressure-sensitive adhesives. The siliconization makes them adhesive-repellent, which prevents this unintentional bonding of the various layers.

µm (micron)

A micrometer or micron is one millionth of a meter or one thousandth of a millimetre (0.001 mm). It is used to measure the thickness of materials such as films.

N

Newton is a unit of measure for force.

Non-woven

Textiles made of natural or man-made fibres without weaving. The non-woven's internal stability is achieved by pressing under heat or by stitching the individual fibres.

Operating temperature

The operating temperature is the range of temperatures at which the adhesive bond remains intact and has nothing to do with the processing temperature. Electrical insulating tapes are classified according to EN 60454 and wire harness tapes according to CTM 312.

Polyamide (PA)

Depending on the carrier, adhesive tapes with a PA backing material exhibit high temperature and abrasion resistance. Adhesive tapes with PA textile or PA velour backing material possess the highest level of abrasion resistance as defined by CTM 312.

Polyester (polyethylene terephthalate, PET)

PET films and fabrics have outstanding tensile strength and tearing resistance. They are extremely resistant to high temperatures, alkaline solutions, acids, oils and many solvents. PET fabrics generally unite high abrasion resistance with good resistance to high temperatures and chemicals.

Polyethylene (PE)

PE films are soft and elastic, with high leak tightness and low tensile strength. Polyethylene is solvent-resistant but sensitive to UV radiation. These films are used to make electrical insulating tapes and anti-corrosion tapes.

Polypropylene (PP)

PP films are halogen-free and their properties are comparable with those of PE films. Although they are slightly less flexible, they are more temperature-resistant and can be used as a substitute for PVC adhesive tapes.

Polyvinyl chloride (PVC)

PVC films have good ageing and UV resistance properties. That is why PVC adhesive tapes are often used for outdoor applications. Different quantities of plasticizer can be added to PVC to make it extremely flexible. PVC adhesive tapes are widely used as electrical insulating tapes due to their flame-retardant properties and good dielectric breakdown values.

Pressure-sensitive adhesive

A permanently active adhesive that is widely used on adhesive tapes or labels. As the name indicates, the adhesive is activated by pressure. Secure bonding of the adhesive strip is achieved by pressing it down firmly.

Primer

A primer improves adhesion on surfaces that make adhesion difficult. It is often applied as a solvent-containing coating.

Processing temperature

The temperature at which adhesive tapes can be processed. As far as possible, however, they should be applied at ambient temperatures between +10 °C and +30 °C.

Rubber-based adhesive

Rubber-based adhesives consist of natural or synthetic rubber with added resin and softeners to provide adhesive tack. These adhesives are available as solutions or hot-melt adhesives. They have high initial adhesion but limited resistance to chemicals, solvents and UV radiation. Rubber-based adhesives are less temperature- and plasticizer-resistant than acrylic adhesives.

S_a value

The S_a value is the measurand of the water vapour permeability of a substance. The higher the value, the less water vapour permeates the substance in comparison with air.

Shear resistance

Shear resistance is the bonding strength of an adhesive when it is pulled off parallel to the glued surface (0° angle). It is tested by applying a section of adhesive tape to the end of a vertical steel plate and attaching a weight to the other end. Shear resistance is measured either as the time until the bond breaks or the maximum weight that the adhesive can bear.

Shelf life

The time for which an adhesive tape can be stored without any notable impairment of performance. Adhesive tapes generally have a shelf life of at least 6 months.

Silicone

Silicone is made of chemically modified SiO₂ (sand). It has an adhesive-repellent surface and is therefore used on release papers or films (liners).

Solvent-based adhesive

50 % of the adhesive often consists of a mixture of different solvents that have to be vapourised when the coating is applied to the backing material. Rubber adhesives and acrylic adhesives can be applied as solvent-based adhesives. Adhesive tapes with these adhesives often have a distinctive odour as a result of incomplete vapourisation of the solvents.

Sound-dampening

The extent to which adhesive tapes dampen noise. Adhesive tapes are classified in sound-dampening classes A (low sound-dampening) to E (maximum sound-dampening) per CTM 312. It is measured in dB(A).

Tack

A measure of the viscous flow of an adhesive that describes its stickiness at minimum application pressure. Tack is measured in tests such as the 'rolling ball test', in which a steel ball is rolled onto the adhesive surface. The distance that the ball rolls until it sticks to the tape from a 'ramp' is measured. The shorter the distance, the higher the tack.

Telescoping

Telescoping is when the adhesive tape protrudes from the side of the roll as a result of internal pressure. This deformation does not affect its adhesive properties. Telescoping can be caused by the rolls being too tight or by improper storage or transport conditions (temperature, moisture).

Tensile strength

The pull stress required to break a material. For adhesive tapes, tensile strength is determined in accordance with EN 14410, and it is stated in N/cm.

Textiles

Textiles may be cloth, made of warp and weft, or non-wovens. Yarn and fibres are usually made of polyester, viscose or polyamide.

Unwind force

The force that is necessary to unwind the adhesive tape from the roll. Unwind force is measured in N (Newton).

UV radiation

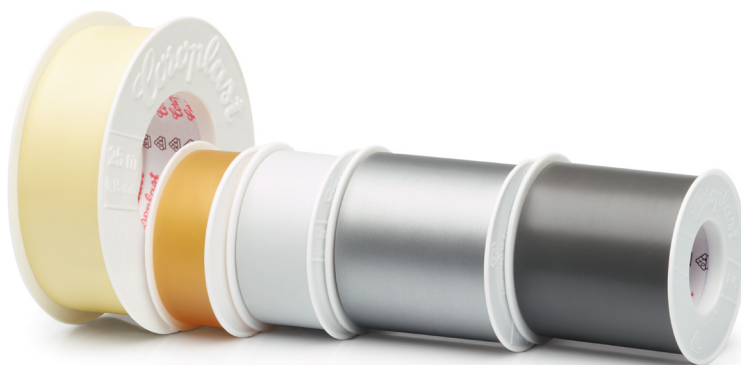
Ultra-violet radiation is a component of sunlight that can cause chemical reactions. UV radiation can also be used for cross-linking to improve the stability of acrylates.

Colour chart for Coroplast adhesive tapes



Colour samples for filmic insulation tapes for electrical insulation, DIY, technical insulation and sanitary

Colour samples for filmic tapes for technical insulation, sanitary and special applications



Colour samples for textile adhesive tapes in building and construction as well as DIY

Colour samples for textile adhesive tapes for wire harness bundling



Not all filmic and textile adhesive tapes are available in all displayed colours. For further information consider the individual product information

Product index

| Product no. | Page | Product no. | Page | Product no. | Page | Product no. | Page |
|-------------|------|-------------|-------|-------------|------|---------------|------|
| 1051 PE | 79 | 4293 P | 60 | 837 X LT7 | 25 | 9030 SPT | 68 |
| 1053 PE | 79 | 4294 P | 60 | 837 X RT | 22 | 904 | 82 |
| 1054 PE | 79 | 4295 P | 60 | 837 X TT | 24 | 90705 SPS | 75 |
| 1056 PE | 79 | 4297 P | 60 | 8375 X | 8 | 90710 SPS | 75 |
| 1232 X | 44 | 4298 P | 60 | 838 X | 8 | 90715 SPS | 75 |
| 1233 X | 44 | 505 | 7 | 8380 | 8 | 910 ALU SE | 39 |
| 1237 ES LT4 | 17 | 512 | 7 | 839 | 8 | 9104 SPT | 69 |
| 1288 X | 18 | 513 | 7/38 | 839 RT | 22 | 9106 SPT | 69 |
| 1288 X LT1 | 25 | 5170 | 61 | 839 X | 8 | 9108 SPT | 69 |
| 1289 X | 18 | 5173 | 61 | 8440 X | 14 | 9111 SPT | 69 |
| 1335 XE | 82 | 5175 | 61 | 8510 | 10 | 9115 SPT | 69 |
| 1336 X | 44 | 5430 | 62 | 8515 X | 11 | 912 | 42 |
| 1410 RPX | 50 | 5516 | 62 | 8520 | 10 | 912 AWX | 42 |
| 1410 X | 87 | 5530 | 62 | 8550 | 10 | 913 | 45 |
| 1411 RPX | 50 | 57128 | 63 | 8550 LT | 25 | 914 AWX | 42 |
| 1420 RPX | 49 | 5735 | 63 | 8550 RT | 22 | 918 | 45 |
| 1430 RPX | 51 | 6001 | 64 | 8550 X | 10 | 930 ALU SE | 39 |
| 1450 RPX | 51 | 6040 | 64 | 8551 | 10 | 9306 SPT | 70 |
| 1455 RPX | 51 | 6090 | 64 | 8551 RT | 22 | 9311 SPT | 70 |
| 1510 AWX | 40 | 651 MSX | 6 | 8553 X | 10 | 933 ALU black | 43 |
| 1530 AWX | 40 | 701 PE | 34 | 856 SLX | 20 | 9404 SPT | 71 |
| 1542 AWX | 40 | 7211 | 65 | 8560 | 10 | 941 | 41 |
| 1544 AWX | 40 | 7212 | 65 | 8560 X | 10 | 9410 SPT | 71 |
| 1665 SPS | 80 | 7213 | 65 | 8563 X | 10 | 942 ALU SE | 39 |
| 1720 SPS | 80 | 7231 | 65 | 8570 | 11 | 944 ALU SE | 39 |
| 252 | 38 | 7265 | 66 | 8571 | 11 | 948 | 41 |
| 301 | 33 | 7280 | 66 | 8572 | 11 | 960 RPX | 49 |
| 302 | 33 | 7290 | 66 | 8575 X | 11 | 9904 SPT | 72 |
| 303 | 33 | 7343 | 78 | 8579 X | 11 | 9904 SPT HA | 73 |
| 317 | 6 | 7344 | 78 | 8580 | 11 | 9908 SPT | 72 |
| 331 | 83 | 7345 | 78 | 8582 | 11 | 9908 SPT HA | 73 |
| 332 | 83 | 7364 | 78 | 8606 | 19 | 9911 SPT | 72 |
| 352 SE | 38 | 800 | 34 | 8608 | 19 | 9911 SPT HA | 73 |
| 353 | 38 | 8002 | 21 | 8606 X | 19 | 9915 SPT | 72 |
| 4122 | 57 | 8005 | 21/34 | 8608 X | 19 | 9930 SPT | 72 |
| 4123 | 57 | 8200 | 81 | 8750 | 12 | BB-32 | 83 |
| 4124 | 57 | 823 MPX | 16 | 8750 S | 26 | BB-36 | 83 |
| 4170 | 57 | 829 | 12 | 875 X | 82 | BC-32 | 83 |
| 4175 | 57 | 8302 | 21 | 876 SLX | 20 | RPX-Patch | 52 |
| 4202 F | 58 | 8310 SE | 8 | 8770 X | 14 | Safety knife | 28 |
| 4203 F | 58 | 8320 SE | 8 | 880 | 15 | Spatula | 45 |
| 4204 F | 58 | 832 MPX | 16 | 880 X | 22 | | |
| 4213 | 58 | 832 MPX RT | 23 | 880 X RT | 20 | | |
| 4218 | 58 | 832 MPX TT | 24 | 8937 STX | 13 | | |
| 4231 | 58 | 833 MPX | 16 | 8939 ST | 13 | | |
| 4240 | 59 | 833 MPX RT | 23 | 8951 ST | 13 | | |
| 4242 | 59 | 834 MPX | 16 | 8971 ST | 13 | | |
| 4245 | 59 | 834 MPX RT | 23 | 9001 SPT | 68 | | |
| 4247 | 59 | 835 | 9 | 9002 SPT | 68 | | |
| 4250 | 59 | 835 X | 9 | 9003 SPT | 68 | | |
| 4251 | 59 | 835 X RT | 22 | 9005 SPT | 68 | | |
| 4257 F | 59 | 836 SLX | 20 | 9010 SPT | 68 | | |
| 4289 P | 60 | 837 X | 8 | 9015 SPT | 68 | | |
| 4290 P | 60 | 837 X LT | 25 | 902 | 82 | | |
| 4291 P | 60 | 837 X LT1 | 25 | 9020 SPT | 68 | | |
| 4292 P | 60 | 837 X LT4 | 25 | 9025 SPT | 68 | | |



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