



## Technical Adhesive Tapes

Product Range

**Coroplast**  
— 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 specializes 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.

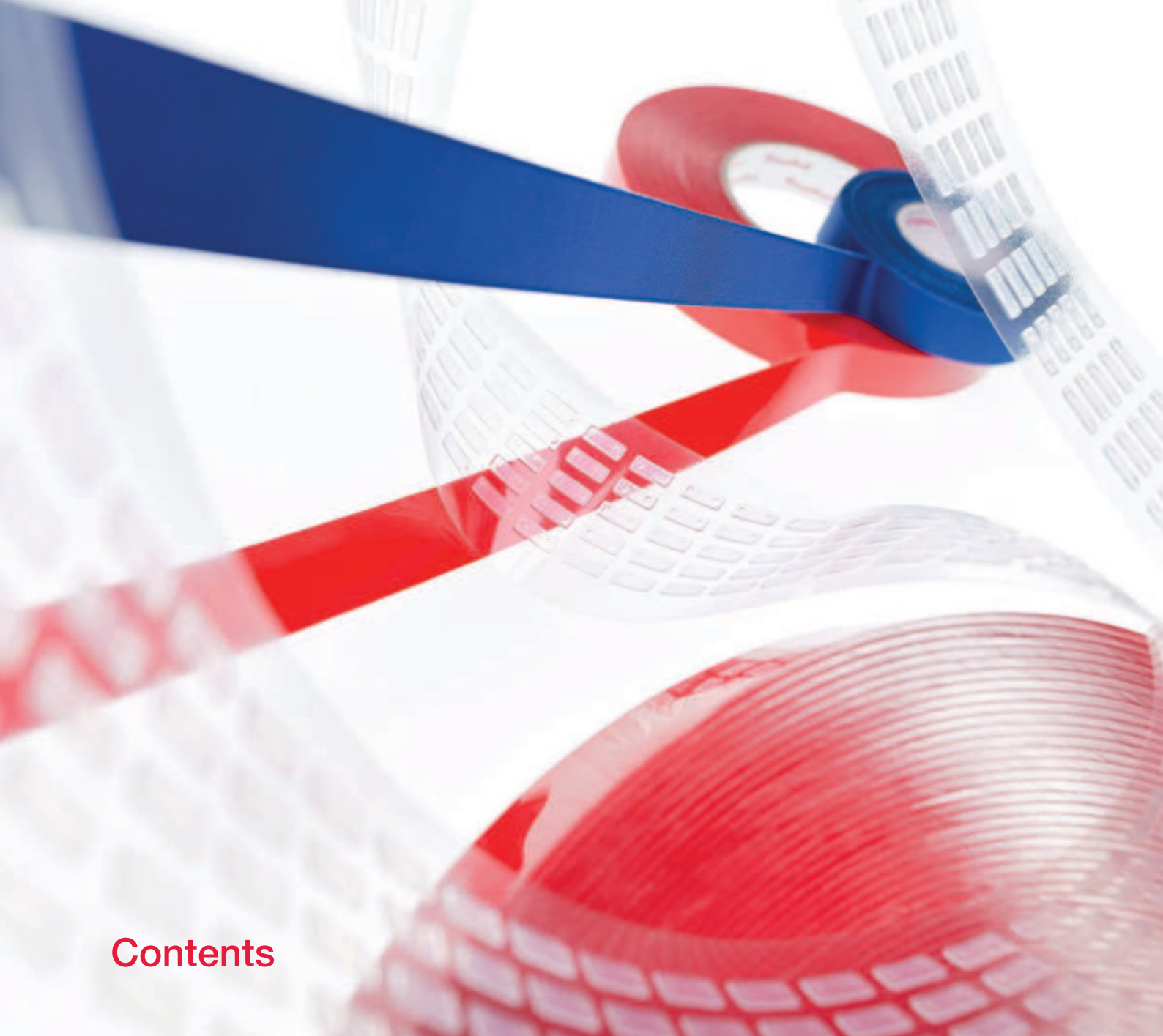
As well as synthetic rubber, Coroplast also offers single- and double-sided adhesive tapes with dispersion adhesive and solvent acrylic adhesive, also in modified form, as well as hot-melt acrylic and self-adhesive acrylic compositions. Customers and users can be found worldwide in technically demanding 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.







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# Automotive

Wire harness tapes







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# 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

- › Tested according to 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
Colors	black, other colors available on request	black, other colors 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	20 N/cm	20 N/cm
Elongation at break	160 %	180 %
Adhesion to steel	1.4 N/cm	1.6 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 503, 512

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

## Applications, advantages and properties

- › For bundling and binding wire harnesses
- › 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 °C to +125 °C for 3,000 h in combination with PP and XPE cables, +105 °C for 3,000 h in combination with PVC cables

### 503

- › Easy hand-tearable



Coroplast 512

Technical data	503	512
Carrier	elastomer-modified polypropylene film	elastomer-modified polypropylene film
Adhesive	acrylic	acrylic
Thickness	0.09 mm	0.15 mm
Colors	black, other colors available on request	black, other colors available on request
Widths	9, 19 and 25 mm	9, 19 and 25 mm
Lengths	25 m	25 m
Tensile strength	10 N/cm	20 N/cm
Elongation at break	450 %	800 %
Adhesion to steel	2.3 N/cm	2.3 N/cm
Dielectric strength	> 40 kV/mm	> 40 kV/mm
Classification acc. to CTM 312	125 AA	125 AA
Temperature range	–40 to +125 °C	–40 to +125 °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 in combination with PVC wires
- › Solvent-free synthetic rubber with high adhesion
- › Coroplast 8310 SE for manual application, Coroplast 8320 SE for machine application
- › Flamability 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
- › In accordance with ECE-R118 / 03
- › Longer roll lengths for automated processing available on request

### 8375 X

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

### 839

- › 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

### 835 X

- › Increased abrasion resistance
- › Easy to tear by hand
- › 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

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	0.25 mm	0.27 mm	0.25 mm	0.25 mm
Colors	black, orange	black	black, orange, violet, blue, gray, yellow	black, orange, other colors 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 75 m	25 and 50 m	837 X: 25 m 838 X: 50 and 66 m	25 and 50 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	3.6 N/cm	4.0 N/cm	5.5 N/cm	5.2 N/cm
Classification acc. to CTM 312	105 / 150 CA	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
Colors	black, other colors available on request	black, other colors 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	4.3 N/cm	4.0 N/cm	6.5 N/cm	4.2 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
- › Soft material structure
- › Suitable for sound-dampening and rattle protection
- › Resistant to ageing and rotting
- › Very good resistance to cold and heat



Coroplast 8550

### 8551

- › Standard tape for general rattle protection
- › 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 protection
- › 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 colors for colour-coding
- › In accordance with ECE-R118/03

### 8550 X/8560 X

- › Standard tape for better abrasion resistance and rattle protection
- › 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

### 8510/8520

- › Increased resistance and rattle protection
- › 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	8510/8520
Carrier	PET non-woven	PET non-woven	PET non-woven	PET non-woven
Adhesive	synthetic rubber	synthetic rubber	acrylic	synthetic rubber
Thickness	0.24 mm	0.3 mm	0.3 mm	0.5 mm
Colors	black	black, orange, white, red, blue, brown, green, yellow	black	black
Widths	9, 15, 19 and 25 mm	9, 15, 19 and 25 mm	9, 12, 15, 19 and 25 mm	9, 15, 19 and 25 mm
Lengths	15, 25 and 50 m	8550: 25 m 8560: 50 m	8550 X: 25 m 8560 X: 50 m	8510: 10 m 8520: 33 m
Tensile strength	30 N/cm	32 N/cm	32 N/cm	42 N/cm
Elongation at break	20 %	20 %	20 %	19 %
Adhesion to steel	4.0 N/cm	4.0 N/cm	3.7 N/cm	4.5 N/cm
Classification acc. to CTM 312	105 AC	105 BC	125 BC	105 BC
Temperature range	-40 to +105 °C	-40 to +105 °C	-40 to +125 °C	-40 to +105 °C

#### 8515 X

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

#### 8570/8580

- › High rattle protection 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

- › OEM-specific version of Coroplast 8570 with modified thickness requirements
- › High rattle protection properties
- › Increased abrasion resistance
- › Easy to tear by hand

#### 8575 X

- › For efficient, manual application
- › High-quality alternative to adhesive tapes made of foam, felt etc.
- › High rattle protection properties
- › Increased abrasion resistance
- › Very easy handling due to easy tearing

#### 8579 X

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



Coroplast 8560

Technical data	8515 X	8571	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	0.7 mm	0.9 mm	0.9 mm	1.0 mm
Colors	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	7.5 m	8570: 5 m 8580: 10 m	5 m	5 m
Tensile strength	40 N/cm	27 N/cm	29 N/cm	25 N/cm	47 N/cm
Elongation at break	20 %	17 %	19 %	25 %	37 %
Adhesion to steel	5.0 N/cm	3.6 N/cm	3.6 N/cm	3.5 N/cm	3.5 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

## Applications, advantages and properties

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

Technical data	8750
Carrier	PET fleece
Adhesive	synthetic rubber
Thickness	0.3 mm
Colors	black
Widths	9 and 19 mm
Lengths	25 m
Tensile strength	30 N/cm
Elongation at break	40 %
Adhesion to steel	4.0 N/cm
Classification acc. to CTM 312	105 AC
Temperature range	–40 to +105 °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 protection
- › Very easy to apply due to easy-tear property
- › Solvent-free synthetic rubber with good adhesion

### 8971 ST

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

### 8933 STX

- › Excellent noise damping properties
- › High abrasion protection
- › Final winding according to processing instructions recommended
- › Suitable for impact protection (drop energy class B/B)

Technical data	8937 STX	8939 ST	8951 ST	8971 ST	8933 STX
Carrier	rPET cloth	rPET cloth	rPET non-woven	rPET non-woven	laminate rPET cloth / rPET non-woven
Adhesive	acrylic	synthetic rubber	synthetic rubber	synthetic rubber	acrylic
Thickness	0.25 mm	0.16 mm	0.24 mm	0.7 mm	1.2 mm
Colors	black	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	19, 25 and 38 mm
Lengths	25 m	25 m	25 m	7,5 m	5 m
Tensile strength	240 N/cm	70 N/cm	30 N/cm	27 N/cm	300 N/cm
Elongation at break	50 %	20 %	20 %	17 %	45 %
Adhesion to steel	5.5 N/cm	4.3 N/cm	4.0 N/cm	3.6 N/cm	4.0 N/cm
Classification acc. to CTM 312	150 DA	125 AA	105 AC	105 DD	125 ED
Temperature range	-40 to +150 °C	-40 to +125 °C	-40 to +105 °C	-40 to +105 °C	-40 to +125 °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
Colors	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 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 adhesive tape

Technical data	880	880 X
Carrier	PA velour	PA velour
Adhesive	synthetic rubber	acrylic
Thickness	1.0 mm	1.0 mm
Colors	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	3.0 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
- › Good chemical resistance
- › 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
- › Longer roll lengths for automated processing available on request

### 832 MPX

- › Properties similar to 823 MPX
- › Suitable as protection for cables according to ADR
- › Reliable protection against rodent bites (tested by renowned institute)

### 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)



Coroplast 823 MPX

Technical data	823 MPX/832 MPX	833 MPX	834 MPX
Carrier	PA cloth	lamine PET cloth/stitch-bonded PET non-woven	lamine PA cloth/stitch-bonded PET non-woven
Adhesive	acrylic	acrylic	acrylic
Thickness	0.35 mm	1.3 mm	1.5 mm
Colors	black, white, orange, blue, violett	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	615 N/cm
Elongation at break	40 %	50 %	50 %
Adhesion to steel	7.7 N/cm	4.0 N/cm	4.3 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, 1230 ES

## Screening attenuation tape

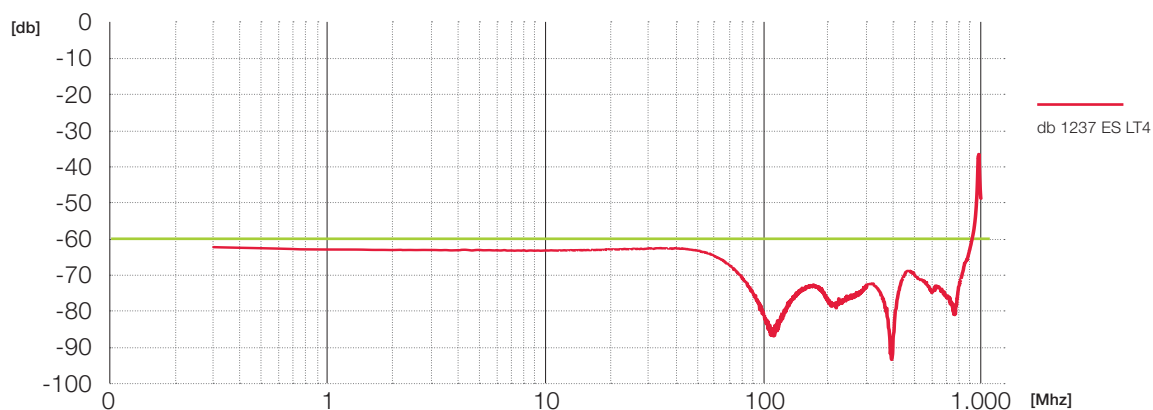
### Applications, advantages and properties

- › Specially developed for a high EMI shielding effect
- › Developed specifically to minimize the contact between adhesive and wire bundle allowing maximum flexibility of harness
- › 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	1230 ES
Carrier	Special aluminum/ PET cloth laminate	aluminum / PET laminated film
Adhesive	acrylic	acrylic
Thickness	0.28 mm	0.1 mm
Colors	black/orange and aluminum-colored	silver
Widths	79 and 190 mm	19, 25 and 50 mm
Lengths	50 m	25 m
Tensile strength	200 N/cm	50 N/cm
Elongation at break	35 %	40 %
Adhesion to steel	5.0 N/cm	3.0 N/cm
Classification acc. to CTM 312	125 DA	125 -A
Temperature range	-40 to +125 °C	-40 to +125 °C



# Coroplast 1238 X, 1288 X, 1289 X

## Heat reflection tapes

### Applications, advantages and properties

- › Specially compounded adhesive made of aluminum 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
- › Low-emission and halogen-free
- › For the subsequent protection of already sheathed cable harnesses and e.g. corrugated pipes

#### 1238 X

- › Increased abrasion protection

#### 1288 X

- › Very stable, abrasion- and tear-resistant textile carrier
- › Tested according to ECE-R118/ 03

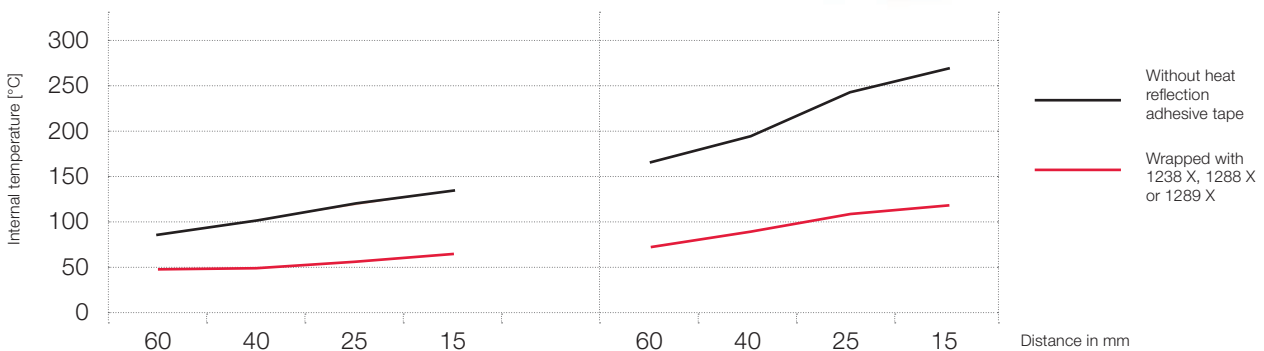
#### 1289 X

- › Laminated carrier easy to tear by hand



Coroplast 1288 X

### Distance from heat source 350 °C / 540 °C



Technical data	1238 X	1288 X	1289 X
Carrier	Special aluminum foil / PET cloth laminate	Special aluminum foil / PET cloth laminate	Special aluminum foil / PET cloth laminate
Adhesive	acrylic	acrylic	acrylic
Thickness	0.30 mm	0.30 mm	0.23 mm
Colors	aluminum-colored	aluminum-colored	aluminum-colored
Widths	19 and 25 mm	19 and 25 mm	19 and 25 mm
Lengths	25 m	25 m	25 m
Tensile strength	240 N/cm	240 N/cm	60 N/cm
Elongation at break	30 %	30 %	15 %
Adhesion to steel	2.4 N/cm	2.4 N/cm	2.5 N/cm
Classification CTM 312	175 DA*	125 DA	125 BA
Temperature range	-40 to +175 °C	-40 to +125 °C	-40 to +125 °C

\* according to Ford KU5T

# Coroplast 8600 series

Heat resistant wire harness tapes



Coroplast 8606



Coroplast 8606 X



Coroplast 8608 X

## Applications, advantages and properties

- › For manual bundling of wire harnesses
- › Especially suitable for applications that demand extreme heat resistance (e.g. in engine compartments)
- › Good adhesive characteristics
- › High tear resistance
- › Resistance to rotting
- › Extreme chemical resistance

## 8608 X

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

Technical data	8606	8606 X	8608 X
Carrier	glass cloth	glass cloth	special aluminum/ glass cloth laminate
Adhesive	thermosetting silicone-based adhesive	acrylic	acrylic
Thickness	0.18 mm	0.15 mm	0.20 mm
Colors	white, orange	white, orange	aluminum-colored
Widths	19 mm	19 mm	19 and 25 mm
Lengths	25 m	25 m	25 m
Tensile strength	220 N/cm	200 N/cm	300 N/cm
Elongation at break	5 %	6 %	5 %
Adhesion to steel	3.0 N/cm	3.5 N/cm	1.7 N/cm
Classification acc. to CTM 312	175 AA	175 AA	175 AA
Temperature range	-40 to +250 °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-optimized 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
Colors	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	4.6 N/cm	3.5 N/cm	2.5 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 8005, 8302

## Splice tapes



Coroplast 8005

Coroplast 8302

### Applications, advantages and properties

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

#### 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	8005	8302
Carrier	acrylic-coated PET cloth	dense textile structure of PET cloth
Adhesive	synthetic rubber	synthetic rubber
Thickness	0.23 mm	0.25 mm
Colors	black, other colors available on request	black
Widths	38 and 50 mm	19, 25, 38 and 50 mm
Lengths	25 and 50 m	50 m
Tensile strength	85 N/cm	220 N/cm
Elongation at break	30 %	30 %
Adhesion to steel	5.0 N/cm	5.5 N/cm
Classification acc. to CTM 312	105 BA	105 CA
Temperature range	-40 to +105 °C	-40 to +105 °C



# Coroplast RT series

## Reverse tapes for flexible wire harness bundling

### Applications, advantages and properties

- › The special construction of the RT adhesive tapes avoids largely the contact between the adhesive and the wire bundle. This ensures the greatest possible flexibility of the wire harness.
- › Very good resistance to cold and heat
- › Good chemical resistance
- › Solvent-free adhesive
- › Resistance to ageing and rotting
- › halogen-free
- › PVC-compatible
- › Available in R (right) and L (left) versions
- › Perform final wrapping with tape wound onto itself (e.g. Coroplast 837 X)
- › 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

### 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

### 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
Colors	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 %	25 %	22 %
Adhesion to steel	4.0 N/cm	4.2 N/cm	4.5 N/cm	5.0 N/cm	4.6 N/cm
Classification acc. to CTM 312	125 CA	105 BD	105 BC	150 EB	150 EB
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
- › Excellently suited if, in addition to flexibility, extremely high abrasion protection of wire harnesses is required
- › Protection against rodent bites

### 833 MPX RT

- › Multilayer PET adhesive tape
- › Additional excellent sound-dampening properties
- › Very high abrasion resistance
- › Tear-proof
- › Excellently suited if, in addition to flexibility, extremely high abrasion protection of wire harnesses is required

### 834 MPX RT

- › Multilayer PET /PA adhesive tape
- › Excellent sound-dampening properties
- › Outstanding abrasion resistance
- › Tear-proof
- › Suitable for impact protection
- › Excellently suited if, in addition to flexibility, extremely high abrasion protection of wire harnesses is required

### 8933 STX RT

- › Multilayer PET adhesive tape
- › Additional excellent sound-dampening properties
- › Very high abrasion resistance
- › Tear-proof
- › Excellently suited if, in addition to flexibility, extremely high abrasion protection of wire harnesses is required
- › Carrier material made from >95 % PET recyclate for the sustainable production of wire harnesses



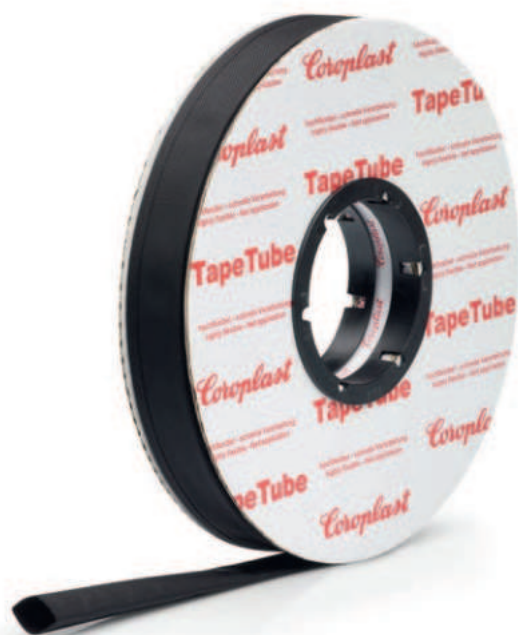
Coroplast 832 MPX RT

Schematic tape construction on page 27.

Technical data	880 X RT	832 MPX RT	833 MPX RT	834 MPX RT	8933 STX RT
Carrier	PA velour / PET cloth	PA cloth	PET cloth / PET non-woven	laminate PA cloth / PET non-woven	rPET cloth / rPET fleece
Adhesive	acrylic	acrylic	acrylic	acrylic	acrylic
Thickness	1.2 mm	0.7 mm	1.2 mm	1.2 mm	1.2 mm
Colors	black	black, orange	black	black	black
Widths	35 and 50 mm	35 and 50 mm	35 and 50 mm	35 and 50 mm	9, 19 and 25 mm
Lengths	10 m	10 m	10 m	10 m	25 m
Tensile strength	360 N/cm	500 N/cm	290 N/cm	550 N/cm	260 N/cm
Elongation at break	37 %	50 %	32 %	55 %	40 %
Adhesion to steel	4.5 N/cm	3.0 N/cm	3.0 N/cm	4.6 N/cm	5.5 N/cm
Classification acc. to CTM 312	125 EE	125 GB	125 ED	125 FD	125 DE
Temperature range	-40 to +125 °C	-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 advantages 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 as protection for cables according to ADR

Technical data	837 X TT	832 MPX TT
Carrier	PET cloth	PA cloth
Adhesive	acrylic	acrylic
Thickness	0.46 mm	0.7 mm
Colors	black, orange, violet	black, orange, violet
Diameter	10 – 58 mm	10 – 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 minimize 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 LT2, 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 aluminumfoil 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
- › For indoor use
- › A very smooth and 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 LT2	837 X LT4	837 X LT7	1288 X LT1	8550 LT
Carrier	PET cloth	PET cloth	PET cloth	PET cloth	PET cloth	Special aluminum/ PET cloth laminate	PET non-woven
Adhesive	acrylic	acrylic	acrylic	acrylic	acrylic	acrylic	synthetic rubber
Sleeve thickness	0.2 mm	0.5 mm	0.2 mm	0.5 mm	0.45 mm	0.3 mm	0.25/0.55 mm
Colors	black	black	black	black	black	aluminum- colored	black
Widths*	80, 115, 130 and 180 mm	80, 115, 130 and 180 mm	65, 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	50 m
Tensile strength	250 N/cm	400 N/cm	250 N/cm	480 N/cm	400 N/cm	240 N/cm	32 N/cm
Elongation at break	30 %	22 %	30 %	22 %	22 %	27 %	20 %
Adhesion to steel	4.0 N/cm	4.0 N/cm	5.5 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 BA	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 +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

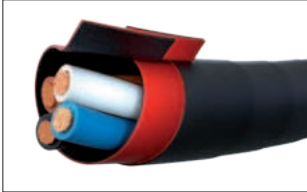
## Applications, advantages and properties

- › Developed specifically to minimize 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)
- › PET fleece
- › noise reducing effect
- › For interior use in narrow assembling spaces

Technical data	8750 S
Carrier	PET fleece
Adhesive	synthetic rubber
Thickness	0.3 mm
Colors	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.

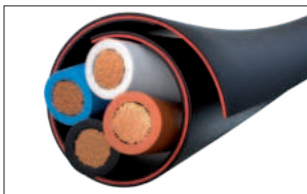
## Coroplast TT series



### 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



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.

## Coroplast S series



### 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-Serie

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	14 mm	65 mm
LT 1 / LT 7	20 mm	80 mm
LT 1 / LT 7	30 mm	115 mm
LT 1 / LT 7	40 mm	145 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	13 mm	85 mm
LT 4	22 mm	115 mm
LT 4	27 mm	130 mm
LT 4	43 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	Mercedes	Ford	JLR	GM	MAN	Mazda China	Stellantis (FCA)	Stellantis (PSA)	Tata Motors	Volvo Car	Volvo Truck	VW	Temperature class*	Abrasion class*	Sound - dampening class*
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
8933 STX																•	n.a.	n.a.	n.a.
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 \*\* 5 mm mandrel / 10 mm mandrel

Version 08/2024

Approval for one tape version at minimum.

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



# Electrical installation

Insulating tapes for trade, industry and DIY





Electrical insulating tapes based on plasticized PVC	32
Other tapes for electrical insulation and DIY	33
Ready-to-sell packings for wholesale and retail	35

# 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 9
- › 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
- › Color chart on page 86
- › Plasticized PVC adhesive tapes, transparent: see special applications Coroplast Type 331, 332

### 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
Colors	yellow, red, violet, blue, green, gray, white, black	yellow, orange, red, violet, blue, green, gray, brown, white, black, green/yellow	gray, 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	1.8 N/cm	1.8 N/cm
Dielectric strength	> 40 kV/mm	> 40 kV/mm	> 40 kV/mm
Heat resistance	0 to +105 °C	0 to +105 °C	0 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

## 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

Technical data	701 PE
Carrier	PE film
Adhesive	synthetic rubber
Thickness	0.15 mm
Colors	black, other colors available on request
Widths	9, 12, 15, 19, 25, 30, 38 and 50 mm
Lengths	10 and 25 m
Tensile strength	24 N/cm
Elongation at break	320 %
Adhesion to steel	4.0 N/cm
Dielectric strength	> 40 kV/mm
Heat resistance	-20 to +80 °C



# Coroplast 800, 8005

Plastic-coated adhesive tape



Coroplast 800

## 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 color chart on pages 92

## 8005

- › Rot-resistant textile polyester carrier

Technical data	800	8005
Carrier	acrylic-coated spun rayon fabric	acrylic-coated PET cloth
Adhesive	synthetic rubber	synthetic rubber
Thickness	0.28 mm	0.23 mm
Colors	yellow, red, blue, green, gray, white, black	yellow, gray, white, black
Widths	6, 9, 12, 15, 19, 25, 30, 38 and 50 mm	9, 12, 15, 19, 25, 30, 38 and 50 mm
Lengths	2.5, 10, 25 and 50 m	25 and 50 m
Tensile strength	85 N/cm	85 N/cm
Elongation at break	10 %	30 %
Adhesion to steel	5.2 N/cm	5.0 N/cm
Heat resistance	-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 or 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
- › Rotating sales display with advertising board on top
- › Solid metal design
- › Stable and non-tip
- › Filled with 104 rolls of Coroplast 301, 0.10 mm × 15 mm × 10 m, with 13 rolls of each color: black, white, red, yellow, green, blue, gray and brown

### 2. Coroplast revolving display stand 302

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

### 3. Coroplast counter display 302

- › Printed cardboard display stand
- › Stable and tilt-proof
- › Filled with 60 rolls of Coroplast 302, 0.15 mm × 15 mm × 10 m in the colors black, white, red, green, blue and brown

## Sample assortment DIY packs:

- › Insulating tape net set – with 3 rolls of Coroplast 302, 15 mm × 10 m in black, red and yellow
- › Insulating tape net set – with 10 rolls of Coroplast 302, 12 mm × 3.3 m in violet, yellow, white, green, orange, black, brown, blue, gray 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 aluminum adhesive tapes	39 – 43
Aluminum-clad adhesive tapes	44 – 45
Accessories	45

# Coroplast 252, 352 SE, 353

## Plasticized PVC adhesive tapes

### Applications, advantages and properties

- › For sealing insulation films (e.g. Isogenopak), insulation jackets and sleeves, air conduits and pipelines
- For sealing 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 gray or black tapes or when wrapped in several overlapping layers
- › Very good ageing properties
- › Flame retardant and self-extinguishing
- › Highly resistant to chemicals
- › Flexible foils



Coroplast 352 SE

### 252, 352 SE

- › Anti-corrosion tape for internal pipelines and as assembly aid for conduit pipes (e.g. Wicu)
- › For sealing air conduits and for color labelling and marking, e.g. of flow media

### 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 colors

Technical data	252	352 SE	352 light gray	353
Carrier	plasticized PVC film	plasticized PVC film	plasticized PVC film	plasticized PVC film
Adhesive	acrylic	acrylic	acrylic	acrylic
Thickness	0.15 mm	0.15 mm	0.15 mm	0.2 mm
Colors	black, light gray 788	yellow, orange, red, violet, blue, green, gray, white, black	light gray 788	gray, black
Widths	19, 25, 30, 38 and 50 mm	15, 19, 22, 25, 30, 38, 50, 75, 100, 150 and 200 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
Lengths	33 m	10 and 25 m	10 and 25 m	10 and 20 m
Tensile strength	25 N/cm	25 N/cm	25 N/cm	38 N/cm
Elongation at break	200 %	200 %	200 %	210 %
Adhesion to steel	1,8 N/cm	1,8 N/cm	1,8 N/cm	1,9 N/cm
Adhesion to backing	2.0 N/cm	2.0 N/cm	2.0 N/cm	2.1 N/cm
Temperature range	0 to +105 °C	0 to +105 °C	0 to +105 °C	0 to +105 °C
Water vapour permeability	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h



# Coroplast ALU SE series

Pure aluminum adhesive tapes with synthetic rubber adhesive, flame retardant

## Applications, advantages and properties

- › Flame-retardant pure aluminum adhesive tapes in accordance with DIN 4102, building material class B1
- › For sealing intersections on aluminum-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

### 910 ALU SE

- › Flexible, strong aluminum carrier

### 930 ALU SE

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

### 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



Coroplast  
930 ALU SE

Technical data	910 ALU SE	930 ALU SE	942 ALU SE	944 ALU SE
Carrier	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain
Adhesive	synthetic rubber	synthetic rubber	synthetic rubber	synthetic rubber
Covering	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper	siliconized 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 <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 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 aluminum adhesive tapes with acrylic adhesive

## Applications, advantages and properties

- › Non-flammable, building material class A2 (1530 AWX), or flame-retardant, building material class B1 according to DIN 4102
- › For impermeable sealing of intersections in aluminum-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

### 1510 AWX

- › Very flexible aluminum 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 (steering wheel)

### 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 (steering wheel)

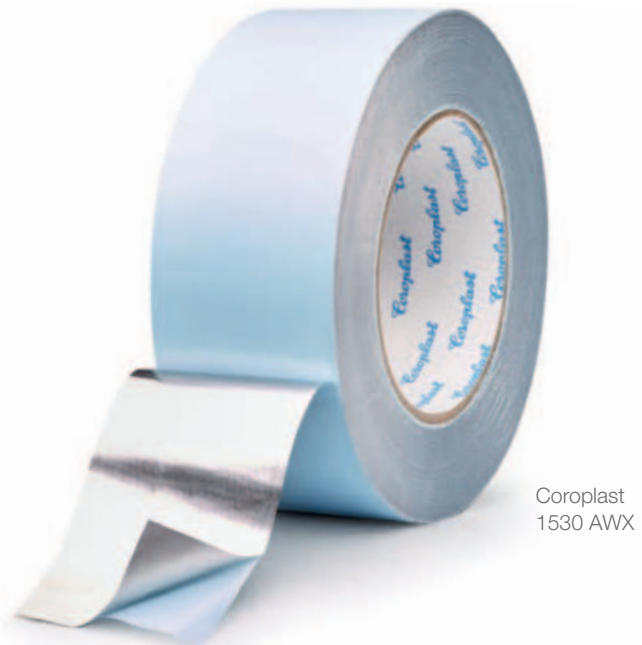
Coroplast 912 AWX and 914 AWX on page 42

### 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



Coroplast  
1530 AWX

Technical data	1510 AWX	1530 AWX	1542 AWX	1544 AWX	1560 AWX
Carrier	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain
Adhesive	acrylic	acrylic	acrylic	acrylic	acrylic
Covering	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper	siliconized polyethylene film or release paper
Carrier thickness	0.03 mm	0.025 mm	0.04 mm	0.05 mm	0.03 mm
Thickness	0.06 mm	0.05 mm	0.08 mm	0.08 mm	0.07 mm
Widths*	50, 70, 75 and 100 mm	50, 70, 75 and 100 mm	50, 75 and 100 mm	50, 75 and 100 mm	50, 75 and 100 mm
Lengths	100 m	100 m	50 m	50 m	50 m
Tensile strength	25 N/cm	20 N/cm	30 N/cm	26 N/cm	25 N/cm
Elongation at break	5 %	5 %	5 %	5 %	5 %
Adhesion to steel	8.0 N/cm	8.0 N/cm	9.0 N/cm	8.0 N/cm	9.0 N/cm
Temperature range	-40 to +130 °C	-40 to +130 °C	-40 to +130 °C	-40 to +130 °C	-40 to +130 °C
Water vapour permeability	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h
Flammability	B1 (DIN 4102)	B1/A2 (DIN 4102)	B1 (DIN 4102)	UL 723 (in accordance)	B1 (DIN 4102)
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 941, 948

Pure aluminum adhesive tapes with synthetic rubber adhesive

## Applications, advantages and properties

- › 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 aluminum adhesive tape for bonding construction materials and for window constructions, and as a repair tape and assembly tape in equipment manufacturing
- › Flame-retardant in accordance with DIN 4102
- › High mechanical strength
- › As heat reflection

### 948

- › For sealing intersections on aluminum-laminated insulating systems
- › For bonding aluminum-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 aluminum
- › Particularly suitable for element bonding, where very strong adhesion is required



Coroplast 941

Technical data	941	948
Carrier	pure aluminum foil, soft, plain	pure aluminum foil, soft, plain
Adhesive	synthetic rubber	synthetic rubber
Covering	siliconized polyethylene film or release paper	siliconized release paper
Carrier thickness	0.10 mm	0.04 mm
Thickness	0.14 mm	0.12 mm
Preference widths*	50, 75 and 100 mm	50, 75 and 100 mm
Lengths	50 m	50 m
Tensile strength	80 N/cm	26 N/cm
Elongation at break	5 %	4 %
Adhesion to steel	10.0 N/cm	15.0 N/cm
Temperature range	-40 to +80 °C	-40 to +80 °C
Water vapour permeability	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h

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

# Coroplast 912, 912 AWX, 914 AWX

## Reinforced aluminum adhesive tapes

### Applications, advantages and properties

- › For sealing intersections on aluminum-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

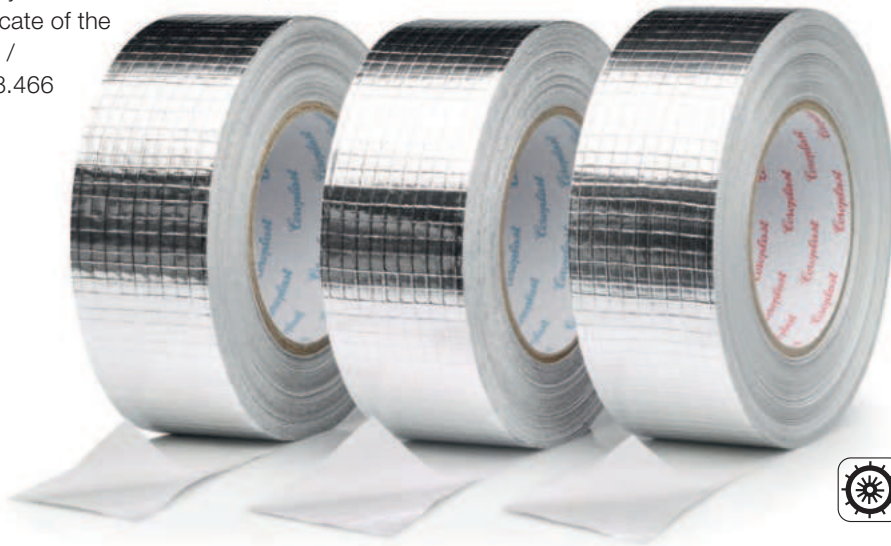
- › Flame-retardant in accordance with DIN 4102, building material class B1
- › Coated with strong synthetic rubber adhesive, additional test certificate of the German BG Verkehr / Schiffssicherheit 118.466 (steering wheel)

#### 912 AWX

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

#### 914 AWX

- › Can be torn by hand
- › 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 (steering wheel)



Coroplast 912 AWX

Coroplast 914 AWX

Coroplast 912

Technical data	912	912 AWX	914 AWX
Carrier	aluminum foil reinforced with scrim (5 mm x 5 mm)	aluminum foil reinforced with scrim (5 mm x 5 mm)	aluminum foil reinforced with PET scrim (5 mm x 5 mm)
Adhesive	synthetic rubber	acrylic	acrylic
Covering	siliconized release film	siliconized release film	siliconized 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 <sup>2</sup> x 24 h	< 1 g/m <sup>2</sup> x 24 h	< 1 g/m <sup>2</sup> x 24 h
Building material class in acc. with DIN 4102 (test certificate)	B1		
BG Verkehr / Schiffssicherheit	steering wheel / no.118466		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, 916 AWX

Varnished aluminum adhesive tape

## Applications, advantages and properties

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

Coroplast  
916 AWX



Coroplast  
933 ALU Black

Technical data	933 ALU black	916 AWX
Carrier	aluminum foil, varnished black	aluminum foil, reinforced with PET scrim, varnished black
Adhesive	synthetic rubber	synthetic rubber
Covering	siliconized release paper	siliconized release paper
Colors	black	black
Thickness	0.06 mm	0.17 mm
Preference widths	50, 70, 75 and 100 mm	50, 70, 75 und 100 mm
Lengths	50 m	50 m
Tensile strength	20 N/cm	44 N/cm
Elongation at break	5 %	4.5 %
Adhesion to steel	8.0 N/cm	6.5 N/cm
Temperature range	-40 to +80 °C	-40 to +130 °C
Flammability	B2 (DIN 4102)	



# Coroplast 1232 X, 1233 X, 1336 X

## Aluminum-clad adhesive tape

### Applications, advantages and properties

- › Adhesive tape based on a special thermoplastic laminate compound with pure aluminum and/or PET film
- › For sealing the intersections of insulation materials or, for example, materials with aluminum- or white-colored surfaces
- › Coated with acrylic adhesive that adheres very well to standard aluminum-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

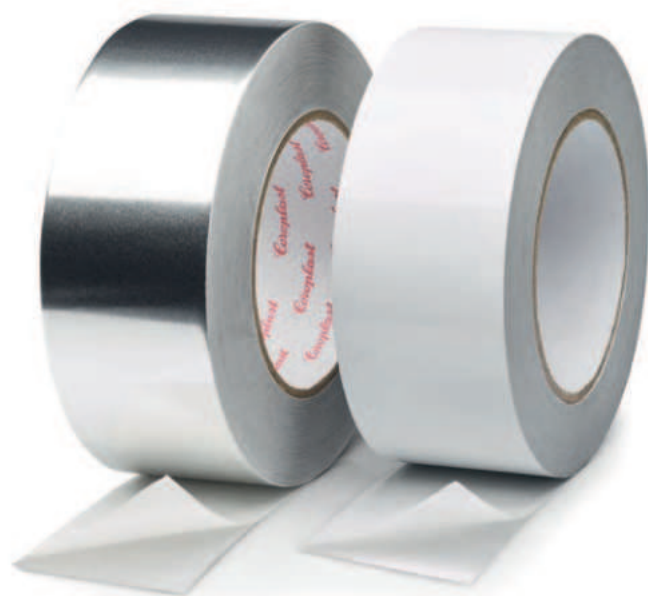
- › 4-ply structure with firm PET layer, providing high mechanical strength
- › Sturdy

#### 1233 X

- › 2-ply structure, tensile strength with low elongation

#### 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 aluminum films	2-layer laminate made of special thermoplastic and aluminum films	2-layer laminate made of special thermoplastic and aluminum films
Adhesive	acrylic	acrylic	acrylic
Covering	siliconized release paper	siliconized release paper	siliconized release paper
Colors	aluminum	aluminum	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	40 N/cm
Elongation at break	50 %	45 %	45 %
Adhesion to steel	12.0 N/cm	8.0 N/cm	8.0 N/cm
Temperature range	–40 to +120 °C	–40 to +120 °C	–40 to +120 °C
Water vapour permeability	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h	< 1 g/m <sup>2</sup> × 24 h

# Coroplast 913, 918

Aluminum-colored adhesive tape

## Applications, advantages and properties

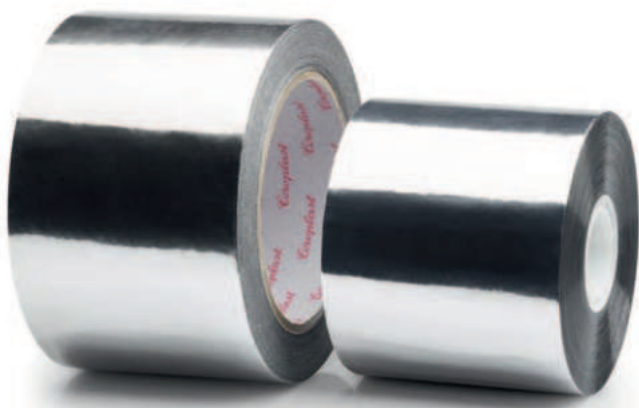
- › Multipurpose aluminum-colored polypropylene adhesive tape
- › Can be used as an assembly aid and for sealing films in the construction sector
- › Used from the roll without interliner
- › Highly tear-resistant
- › Outstanding ageing properties
- › Good shear strength

### 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 aluminum 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
Colors	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 <sup>2</sup> × 24 h	ca. 3.0 g/m <sup>2</sup> × 24 h

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

## Roof extension

For hermetic, windproof construction





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Special paper adhesive patch	52
RPX versions and product options	53

# Coroplast RPX series



## Moisture-repellent

Coroplast RPX adhesive tapes are not affected by vapor 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 resp. 100 °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 Emicode-tested and bear the EC 1 plus mark – ideal preconditions for developing a healthy environment and residential air quality without contamination.



- › Certified quality
- › Emicode EC 1 plus
- › ISO TS 16949 (quality)
- › DIN 14001 (environment)
- › Solvent-free
- › No APEOs
- › Residential air quality emission-free



# 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, wall formwork sheets and behind gap formwork
- › For hermetically sealing overlapping areas of vapor retarders and barriers in accordance with DIN 4108-11
- › 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

# Coroplast 1420 SDX

Window connection tape

## Applications, advantages and properties

- › Flashing tape with moisture adaptive Sd value and with an aggressive adhesive for excellent adhesion even on construction sites
- › Also suitable for connecting the airtight membrane to masonry or concrete with subsequent plastering
- › Easy converting due to split release liner and high tensile strength in machine-and cross-direction
- › Very good temperature resistance
- › Free of emulsifiers and APEOs
- › Solvent free adhesive with very low emissions and excellent ageing resistance
- › Outdoor exposure up to 3 months
- › Can be plastered
- › Fulfill the requirements of DIN 4108-11



Coroplast  
1420 SDX

Technical data	Coroplast 1420 RPX	Coroplast 1420 SDX
Carrier	PP non-woven, black	PET/PA non-woven film
Adhesive	acrylic	acrylic
Covering	repellent paper	siliconized PP film
Thickness	0.4 mm	0.4 mm
Widths	50, 60, 75 and 100 mm	75, 80, 100, 150, 200 mm
Lengths	25 m	25 m
Tensile strength	35 N/cm	40 N/cm
Elongation at break	55 %	25 %
Adhesion to steel	16.0 N/cm	15.0 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 vapor 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 DIN 4108-11
- › Coated with special acrylic adhesive with extremely high moisture resistance
- › Good adhesion to all smooth or slightly rough substrates (e.g. films, fleece, wood, plastic)
- › Strong adhesive suitable for construction sites
- › Very resistant to ageing
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Weatherproof for approx. 6 months
- › Applicable at temperatures as low as -10 °C

### 1410 RPX

- › Meets the strict requirements of GEV and is labelled with Eimcode 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 PE film	single-sided siliconized PE 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	50 and 60 mm
Lengths	25 m	25 m
Tensile strength	20 N/cm	25 N/cm
Elongation at break	250 %	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

## Applications, advantages and properties

- › Splash-water repellent special paper adhesive tape for ensuring the airtight construction in accordance with EnEV and DIN 4108-12
- › For hermetically sealing underlay seams, vapor retarders and barriers made of fleece, PP or PE
- › Coated with special, extremely moisture-resistant acrylic adhesive for construction sites
- › Easy to tear by hand
- › Good adhesion to all smooth or slightly rough substrates (e.g. films, fleece, wooden beams, 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  $-10^{\circ}\text{C}$
- › Adhesive tape in accordance with DIN 4108-11



Coroplast  
1430 RPX



# Coroplast 1450 RPX, 1455 RPX

Double-sided adhesive tape

## Applications, advantages and properties

- › Double-sided adhesive tape for hermetically sealing overlapping areas of vapor 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  $-10^{\circ}\text{C}$



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	siliconized film	repellent paper	repellent paper
Thickness	0.3 mm	0.2 mm	0.2 mm
Widths	50, 60, 100, 120 and 150 mm	20 mm	20 mm
Lengths	40 m	20 m	20 m
Tensile strength	70 N/cm	n.a.	n.a.
Elongation at break	5 %	n.a.	n.a.
Adhesion to steel	20.0 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 vapor 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, wood, plastic)
- › Outstanding ageing properties
- › Free of solvents, emulsifiers and other emulsion additives (APEOs)
- › Applicable at temperatures as low as  $-10^{\circ}\text{C}$
- › 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	70 N/cm
Elongation at break	5 %
Adhesion to steel	20.0 N/cm
Temperature range	$-40$ to $+100^{\circ}\text{C}$

# Hermetic attic sealing

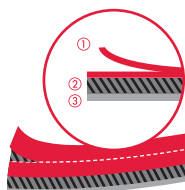
with a range of variations

Coroplast RPX adhesive tapes are specially designed for secure and durable sealing of vapor 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 rolls or as die-cut parts (patches) from the roll. 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.

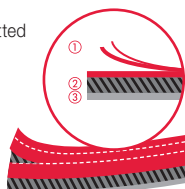
- ① Liner, splitted
- ② Adhesive
- ③ Carrier



## 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-split
- ② Adhesive
- ③ Carrier



## Rolls

Especially suitable for hermetically sealing longer joints on vapor 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.

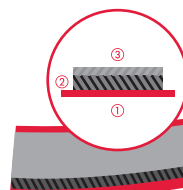
## Die-cut parts (patches)

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.

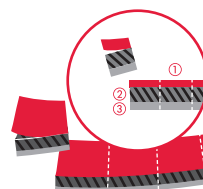
- ① Overlapping liner
- ② Adhesive
- ③ Carrier



## Perforations / patches

We supply Coroplast patches with a perforation of the entire adhesive tape (carrier, adhesive and liner) – 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

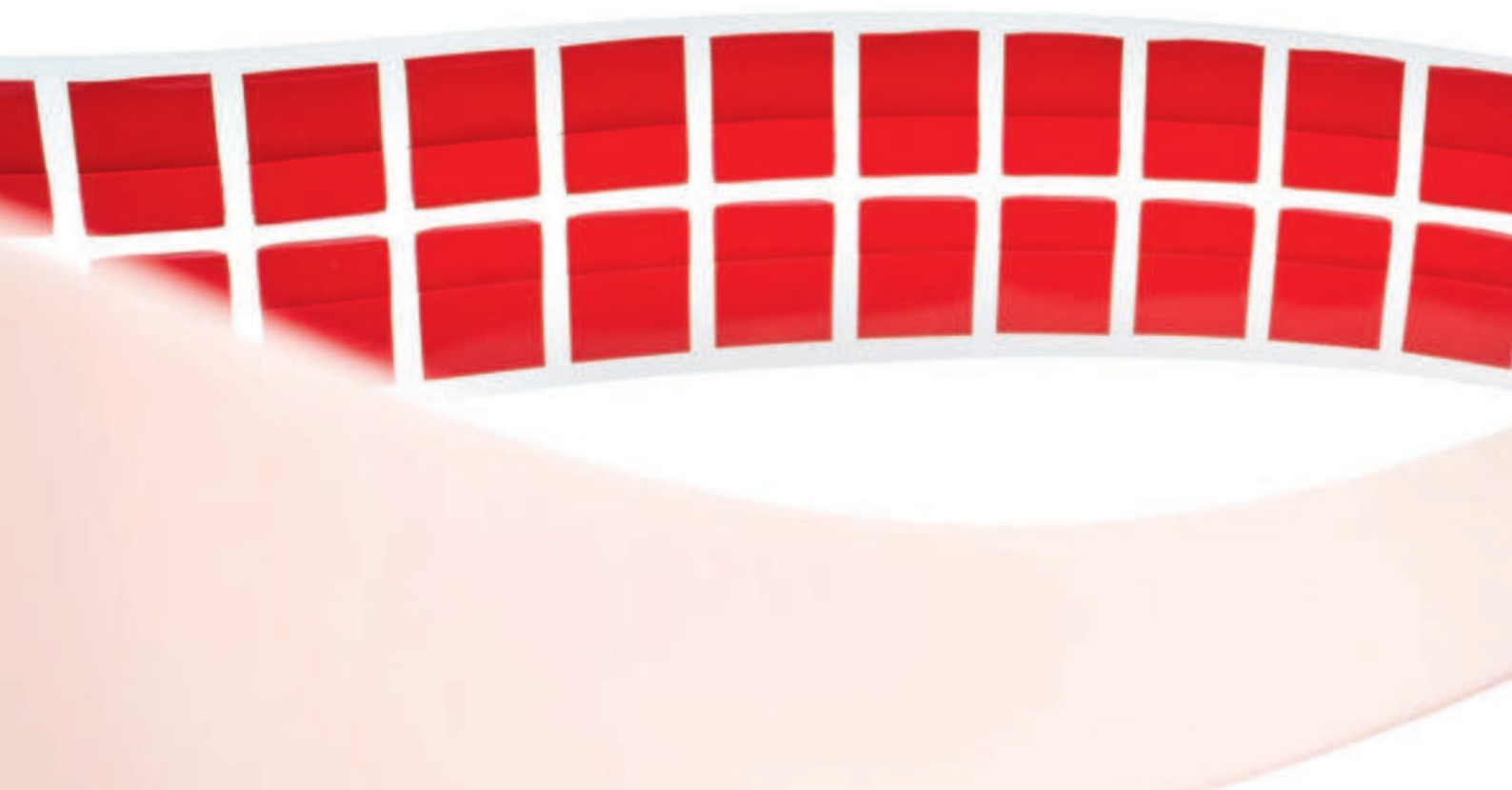


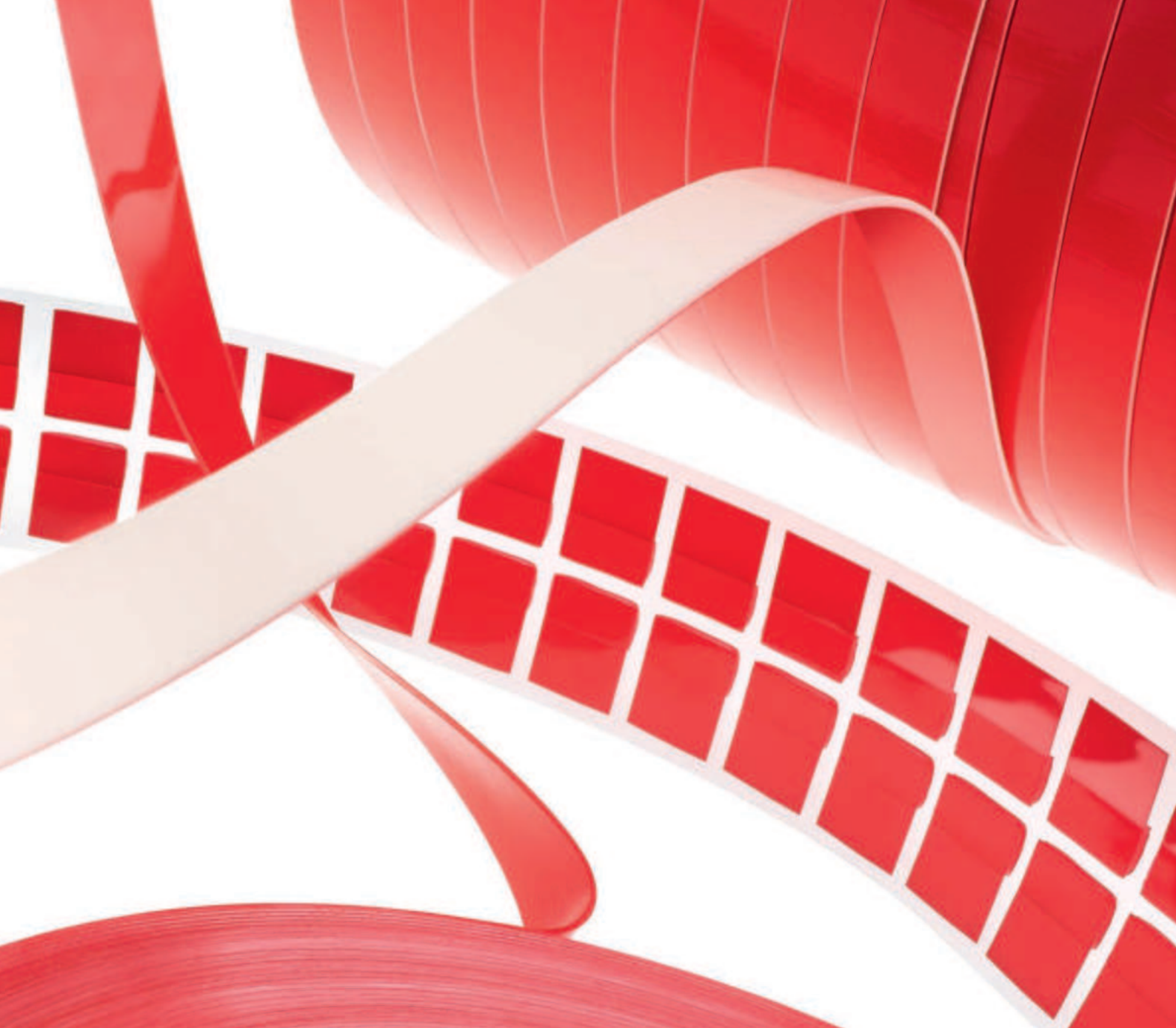
We specialize in providing adhesive tape in many different versions – customized to suit your individual requirements and applications – try us!



# Fastening and joining tape systems

Adhesive systems for industrial and automotive applications





Adhesive tape information: Single-sided and double-sided adhesive tapes	56
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Superior Performance Sealing SPS series	77 – 79

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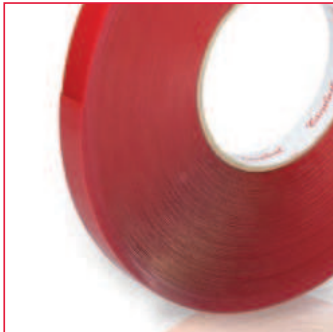
# Single-sided and double-sided adhesive tapes

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:**



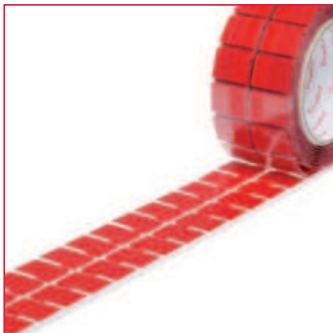
## **Rolls**

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 30 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.

**One-stop shop:** We manufacture to meet your individual requirements. Furthermore, we offer customized consultation for your application and are happy to support you in optimizing your process by integrating our products.

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

# Coroplast 4000 series

Subseries 4100: Single-sided PE foam tape with acrylic adhesive, scrim reinforced



Coroplast 4103

## Applications, advantages and properties

- › Single-sided polyethylene foam adhesive tapes, coated with acrylic adhesive, reinforced with scrim
- › For sealing, insulating, protecting and cushioning
- › Low-emission adhesive
- › Outstanding ageing properties
- › Suitable for indoor and outdoor use
- › Very good final adhesion
- › Strong initial tack, but can be corrected soon after start of adhesion
- › Reliable bonding even with subsequent exposure to moisture, as it is free from emulsifiers and other emulsion additives (APEOs)

Technical data	4101	4102	4103	4104
Carrier	PE foam	PE foam	PE foam	PE foam
Adhesive	UV acrylic	UV acrylic	UV acrylic	UV acrylic
Colors	white, anthracite	white, anthracite	white, anthracite	white, anthracite
Thickness	1.1 mm	2.1 mm	3.1 mm	4.1 mm
Liner	film	film	film	film
Elongation at break	50 %	50 %	50 %	50 %
Tensile strength	25 N/cm	25 N/cm	25 N/cm	25 N/cm
Adhesion to steel	12.0 N/cm	12.0 N/cm	12.0 N/cm	12.0 N/cm
Temperature range	-40 to +90 °C	-40 to +90 °C	-40 to +90 °C	-40 to +90 °C

# Coroplast 4000 series

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



Coroplast 4231 F

## Applications, advantages and properties

- › Double-sided 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 wood
- › Very good initial tack and final adhesion

- › Good ageing 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
- › High performance profile, especially on plastics such as PE and PP
- › Significantly higher shear strength compared to conventional UV acrylic adhesive

### 4218 F

- › AAMA-certified (US market)

Technical data	4218 F	4231 F	4233	4235	4236	4238
Carrier	PE foam	PE foam	PE foam	PE foam	PE foam	PE foam
Colors	white	white, anthracite	white, anthracite	white, anthracite	white, anthracite	white, anthracite
Adhesive	UV acrylic	UV acrylic	UV acrylic	UV acrylic	UV acrylic	UV acrylic
Thickness	1.6 mm	1.0 mm	1.6 mm	2.1 mm	4.1 mm	3.1 mm
Liner	repellent film, red	repellent film, light blue	repellent paper or film	repellent paper or film	repellent paper or film	repellent paper or film
Elongation at break	200 %	300 %	150 %	130 %	80 %	100 %
Tensile strength	10 N/cm	10 N/cm	18 N/cm	20 N/cm	30 N/cm	27 N/cm
Adhesion to steel	10.0 N/cm*	13.0 N/cm*	12.0 N/cm*	12.0 N/cm*	12.0 N/cm*	12.0 N/cm*
Shear strength**	1,200 min	4,400 min	3,000 min	2,500 min	1,500 min	2,000 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 mm<sup>2</sup>



# Coroplast 4000 series

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



## Applications, advantages and properties

- › PE foam adhesive tapes with various densities for durable bonding of strips, profiles and attachments
- › 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 wood
- › When high standards of strength and durability are required
- › Good initial tack and excellent final adhesion
- › High adhesive strength and shear strength
- › Suitable for indoor and outdoor use

- › Strong adhesion and shear adhesion
- › 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 assembly tape in the automotive industry

### 4257

- › High performance 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
Colors	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: siliconized film, green version P: repellent paper, white	version F: siliconized film, green version P: repellent paper, white	version F: siliconized film, green version P: repellent paper, white	version F: siliconized film, green version P: repellent paper, white	siliconized 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 mm<sup>2</sup>

# Coroplast 4000 series

Subseries 4280, 4291 P: Double-sided foam adhesive tapes with synthetic rubber adhesive



Coroplast 4281 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, wood, plastics (e.g. PC, PA, ABS, PS, PE, PP, unplasticized PVC)
- › Suitable for indoor use, e.g. mirrors, sanitary facilities, furniture

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

### 4281, 4282

- › Very good adhesive strength on low-energy substrate

### 4291 P

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

Technical data	4281	4282	4291 P
Carrier	PE foam	PE foam	PE foam
Colors	white, anthracite	black	white
Adhesive	synthetic rubber adhesive	synthetic rubber adhesive	synthetic rubber adhesive
Thickness	1.0 mm	0.5 mm	0.8 mm
Liner	Version P: repellent paper, red Version F: PP film, white	Version P: repellent paper, red Version F: PP film, white	siliconized paper, white-blue
Elongation at break	300 %	300 %	330 %
Tensile strength	20 N/cm	25 N/cm	11 N/cm
Adhesion to steel	20.0 N/cm*	25.0 N/cm*	13.0 N/cm*
Shear strength**	> 10,000 min	> 10,000 min	> 10,000 min
Temperature range	-40 to +90 °C	-40 to +90 °C	-40 to +70 °C

\* foam split; \*\* 23 °C, 1.0 kg, 625 mm<sup>2</sup>

# 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 automotive industry
- › For noise reduction in air-conditioning technology, the furniture and lighting industry, concrete processing and air-filter construction industries
- › Scrim reinforced
- › 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
Colors	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 cell EPDM foam tapes

Subseries 5500: Closed-cell EPDM foam tapes



Coroplast 5516

## Applications, advantages and properties

### Subseries 5400

- › Single-sided, semi-closed-cell EPDM foam adhesive tapes for applications with high requirements for soft bearing and damping
- › Highly compressible
- › Soft-elastic
- › Low-emission, solvent-free adhesive
- › Suitable for indoor and outdoor applications
- › Very good weather, temperature and media resistance
- › Good UV and ozone resistance
- › Additionally reinforced with a PET film

## Applications, advantages and properties

### Subseries 5500

- › Single-sided adhesive, closed-cell EPDM foam adhesive tapes for applications with high demands on density
- › Suitable for applications with recurring loads due to low compression set
- › Compressible and flexible
- › Soft and elastic
- › Low-emission, solvent-free adhesive
- › Suitable for indoor and outdoor applications
- › Very good weather, temperature and media resistance
- › Good UV and ozone resistant
- › Also sulphur-free on request (e.g. for LED applications)
- › Additionally reinforced with a PET film

Technical data	5430	5516	5530
Carrier	semi-closed-celled EPDM foam	closed-celled EPDM foam	closed-celled EPDM foam
Colors	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 <sup>3</sup>	175 kg/m <sup>3</sup>	175 kg/m <sup>3</sup>
Temperature range	-40 to +125 °C	-40 to +125 °C	-40 to +125 °C

# Coroplast 5000 HCF series

Subseries 5700: PUR foam 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
- › Die-cut parts possible

Technical data	5735 HCF	57128 HCF
Carrier	microcellular PUR foam, film-reinforced	microcellular PUR foam, film-reinforced
Colors	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 P

### Applications, advantages and properties

- › Adhesive film covered with double-sided, siliconized 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, and level-wound spools depending on size

#### 6001 P

- › 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

#### 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

#### 6031 P

- › Based on synthetic rubber for the self-adhesive finishing of many materials with excellent shear strength and high initial and final adhesive strength
- › Especially suitable for bonding materials with low-energy surfaces (PP, PE) or rigid PVC
- › Typical areas of application include self-adhesive finishing of signs, emblems and strips in interior areas
- › Delivery on request depending on dimensions such as converter roller and flat roller possible

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

Technical data	6001 P	6026 F	6031 P	6094 P
Carrier	none	scrim	none	none
Adhesive	UV acrylic	UV acrylic	UV acrylic	synthetic rubber
Thickness	0.06 mm	0.25 mm	0.06 mm	0.06 mm
Liner	repellent paper, white	repellent film, white	repellent paper, white	repellent paper, white
Adhesion to steel	10.0 N/cm*	20.0 N/cm	10.0 N/cm	20.0 N/cm
Shear strength*	> 10,000 min	25 min	5,000 min	> 10,000 min
Temperature range	-40 to +100 °C	-40 to +100 °C	-40 to +100 °C	-40 to +70 °C

\* 23 °C, 1.0 kg, 625 mm<sup>2</sup>

# Coroplast 7000 series

Subseries 7210, 7230: 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

## 7232

- › High adhesive application
- › Particularly suitable for the self-adhesive finishing of EPDM cellular rubber and foam rubber

Technical data	7211	7212	7213	7231	7232
Carrier	PET film, 12µm, transparent	PET film, 12µm, transparent	scrim, white	PET film, 12µm, transparent	PET film, 12µm, transparent
Adhesive	UV acrylic	UV acrylic	UV acrylic	modified UV acrylic	modified UV acrylic
Thickness	0.21 mm	0.10 mm	0.13 mm	0.13 mm	0.18 mm
Liner	repellent paper, white	repellent paper, white	repellent paper, honey	repellent film, blue	repellent film, blue
Elongation at break	110 %	110 %	n.a.	110 %	110 %
Tensile strength	25 N/cm	25 N/cm	n.a.	25 N/cm	25 N/cm
Adhesion to steel	10.0 N/cm	8.0 N/cm	13.0 N/cm	15.0 N/cm	17.0 N/cm
Shear strength*	1,500 min	5,000 min	150 min	5,000 min	5,000 min
Temperature range	-40 to +100 °C	-40 to +120 °C	-40 to +80 °C	-40 to +100 °C	-40 to +100 °C

\* 23 °C, 1.0 kg, 625 mm<sup>2</sup>

# Coroplast 7000 series

Subseries 7265, 7280, 7282: 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 decorative strips
- › 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

### 7265

- › Outstanding adhesive strength on a wide range of substrates, even with low-energy materials
- › Particularly suitable for die-cut packaging

### 7280

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

### 7282

- › Excellent adhesive strength on a wide range of substrates, even with low-energy materials
- › High temperature, moisture and UV resistance

Technical data	7265	7280	7282
Carrier	PET film, 12 µm, transparent	paper non-woven	PET film, 12µm
Adhesive	mod. solvent-based acrylic	dispersion acrylic	synthetic rubber
Thickness	0.2 mm	0.13 mm	0.13 mm
Liner	version F: siliconized film, light-red version P: repellent paper, honey	repellent paper, honey	version F: PP film, red version P: repellent paper, white
Elongation at break	40 %	6 %	100 %
Tensile strength	15 N/cm	10 N/cm	25 N/cm
Adhesion to steel	11.0 N/cm	7.0 N/cm	25.0 N/cm
Shear strength*	> 6,000 min	400 min	> 10,000 min
Temperature range	-40 to +150 °C	-40 to +80 °C	-40 to +90 °C

\* 23 °C, 1.0 kg, 625 mm<sup>2</sup>

# Coroplast 9000 SPT series – high-performance adhesive tapes

Designed for use in extremely demanding applications

Holds and holds and holds. Coroplast 9000 SPT series superior-performance adhesive tapes are characterized 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:

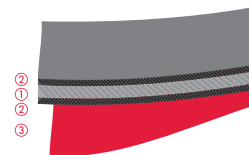
- › Automotive industry
- › Aerospace and shipping industry
- › Windows and wall panelling
- › Advertising and displays
- › Furniture industry
- › Electronics industry
- › Electrical appliances
- › Window and door industry

## Ideal for bonding:

- › Decorative and protective strips
- › Attachments
- › 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 colors)
- 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, very 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 (other thicknesses on request)
- › 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
- › Also available with edge-passivated sides

- 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
Colors	transparent, no color	transparent, no color	transparent, no color	transparent, no color	transparent, no color	transparent, no color	transparent, no color	transparent, no color	transparent, no color
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.	n.a.	750 %	750 %	750 %	750 %	750 %	700 %
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 mm<sup>2</sup>



# Coroplast 9000 SPT series

Subseries 9100: High-performance adhesive tapes, gray



Coroplast 9111 SPT

## Applications, advantages and properties

- › Viscoelastic, closed-cell, gray 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 2.3 mm are available (other thicknesses on request)
- › Can be supplied in converter rolls, single rolls, level wound spool or die-cut parts
- › Also available with edge-passivated sides

- ① Acrylic mass, gray
- ② Release liner



Technical data	9104 SPT	9106 SPT	9108 SPT	9111 SPT	9115 SPT	9123 SPT
Adhesive	acrylic mass	acrylic mass	acrylic mass	acrylic mass	acrylic mass	acrylic mass
Colors	gray	gray	gray	gray	gray	gray
Thickness	0.4 mm	0.6 mm	0.8 mm	1.1 mm	1.5 mm	2.3 mm
Liner	PE film, red	PE film, red	PE film, red	PE film, red	PE film, red	PE film, red
Elongation at break	750 %	750 %	750 %	750 %	750 %	750 %
Tensile strength	5 N/cm	7 N/cm	10 N/cm	15 N/cm	20 N/cm	22 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	35.0 N/cm
Shear strength*	> 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

\* 23/70 °C, 1.0 kg, 625 mm<sup>2</sup>

# Coroplast 9000 SPT series

Subseries 9300: High-performance adhesive tapes, white



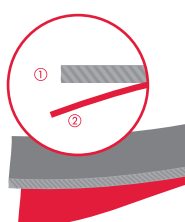
Coroplast 9311 SPT

## 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 (other thicknesses on request)
- › 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
Colors	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 mm<sup>2</sup>

# Coroplast 9000 SPT series

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

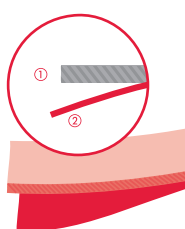


Coroplast 9410 SPT

## Applications, advantages and properties

- › Colored, 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 coloring of glass objects
- › Range of colors 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, colored, translucent
- ② Release liner



Technical data	9404 SPT	9410 SPT
Adhesive	acrylic mass	acrylic mass
Colors	black-translucent, other colors available on request	black-translucent, other colors 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 mm<sup>2</sup>

# Coroplast 9000 SPT series

Subseries 9900: High-performance adhesive tapes, modified



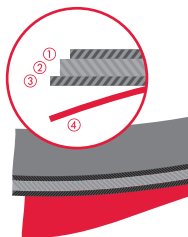
Coroplast 9911 SPT

## 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
- › Modified on both sides with an acrylic adhesive for optimum immediate and final adhesion to automotive, textured and powder coatings
- › 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

- ① Modified acrylic
- ② Acrylic core, gray
- 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
Colors	gray	gray	gray	gray	gray
Thickness	0.5 mm	0.9 mm	1.2 mm	1.6 mm	3.1 mm
Liner	siliconized film, green	siliconized film, green	siliconized film, green	siliconized film, green	siliconized 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 aluminum

# Coroplast 9000 SPT series

Subseries 9200 SPT: High-performance adhesive tapes, modified

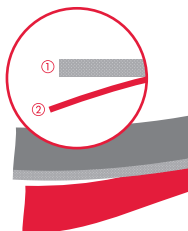


Coroplast 9207 SPT

## Applications, advantages and properties

- › Double-sided adhesive tapes made from closed-cell, self-adhesive acrylic foam
- › Very high adaptability to different substrates
- › Can be used indoors and outdoors, e.g. for bonding trim parts to the car
- › Extreme flexibility and optimum adaptability to the surfaces to be bond to
- › Compensation of permanent stresses
- › Excellent temperature and ageing stability
- › Very high adhesive strength and shear strength
- › Delivery as converter roll, single roll, level-wound spool or die-cut part possible

- ① Acrylic foam
- ② Release liner



Technical data	9207 SPT	9208 SPT	9210 SPT	9214 SPT
Adhesive	closed-cell acrylic foam	closed-cell acrylic foam	closed-cell acrylic foam	closed-cell acrylic foam
Colors	gray	gray	gray	gray
Thickness	0.7 mm	0.8 mm	1.0 mm	1.4 mm
Liner	PE foil, red	PE foil, red	PE foil, red	PE foil, red
Elongation at break	682 %	687 %	655 %	648 %
Adhesion on steel *	29,0 N/cm	33,0 N/cm	36,0 N/cm	36,2/36,6 N/cm
Temperature range	-40 to +120 °C	-40 to +120 °C	-40 to +120 °C	-40 to +120 °C

\* 90° peel off after 72 h, reinforced with aluminum



# Coroplast 9000 SPT series

Subseries 9600 SPT: High-performance adhesive tapes, modified

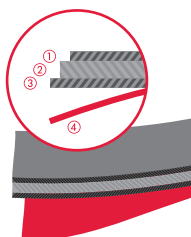


Coroplast 9611 SPT

## Applications, advantages and properties

- › Closed-cell acrylic foam, expanded with excellent bonding performance
- › For bonding trim elements in the automobile (e.g. emblems, body moldings, kick plates, bumper sensors), in industrial applications and in household appliances and electronic devices
- › Compressible - high flexibility and excellent compensation of permanent stresses
- › Adaptability and drapability on curved body contours
- › Suitable for a wide range of materials: high- and low-energy plastics, paints, metal, glass, coatings, powder-coated parts
- › Versatile adhesive tape for indoor and outdoor use
- › Excellent adhesive and shear strength values
- › Can be supplied as a converter roll, single roll, level-wound spool or die-cut part

- ① Modified acrylic
- ② Foamed acrylic core, gray
- ③ Modified acrylic
- ④ Release liner



Technical data	9608 SPT	9611 SPT	9615 SPT
Adhesive	acrylic foam, expanded	acrylic foam, expanded	acrylic foam, expanded
Colors	gray	gray	gray
Thickness	0.8 mm	1.1 mm	1.5 mm
Liner	repellent film	repellent film	repellent film
Elongation at break	650 %	650 %	650 %
Tensile strength	5 N/cm	7 N/cm	8 N/cm
Adhesion on steel*	>33 N/cm**	>36 N/cm**	>36 N/cm**
Temperature range	-40 to +120 °C	-40 to +120 °C	-40 to +120 °C

\* 90° peel off after 72 h, reinforced with aluminum, \*\*Foam split

# Coroplast 9000 SPT series

Subseries 9800 SPT: High-performance adhesive tapes, expanded



Coroplast 9811 SPT

## Applications, advantages and properties

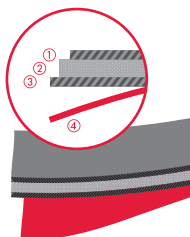
- › Black, double-sided adhesive tapes made from closed-cell, self-adhesive acrylic foam
- › Modified, highly adhesive acrylic adhesive with excellent adhesion to automotive paints, powder coatings and other polar and non-polar substrates
- › Extreme flexibility and optimum adaptability to the surfaces to be bonded
- › Compensation of permanent stress
- › Edge-passivated sides for clean application possible
- › Full-surface coloring for optically high-quality bonding
- › Excellent temperature and ageing stability
- › Very high adhesive strength and shear strength
- › Delivery as converter roll, single roll, level-wound spool or die-cut part possible

① Modified acrylic, black

② Foamed acrylic core, gray

③ Modified acrylic, black

④ Release liner



Technical data	9808 SPT	9811 SPT	9815 SPT
Adhesive	acrylic mass, modified	acrylic mass, modified	acrylic mass, modified
Colors	black	black	black
Thickness	0.8 mm	1.0 mm	1.5 mm
Liner	PE film, red	PE film, red	PE film, red
Elongation at break	650 %	650 %	650 %
Tensile strength	5 N/cm	7 N/cm	8 N/cm
Adhesion on steel *	30.0 N/cm	30.0 N/cm	30.0 N/cm
Temperature range	-40 to +120 °C	-40 to +120 °C	-40 to +120 °C

\* 90° peel off after 72 h, reinforced with aluminum

# Coroplast 9000 SPT series

Subseries 9700 SPT HA: High-performance adhesive tapes, heat-activated



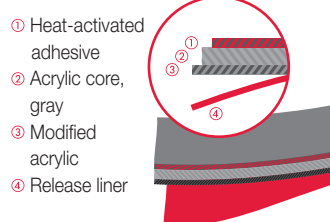
Coroplast 9708 SPT HA

## Applications, advantages and properties

- › Heat-activated and modified acrylic mass with good ability to adapt to bonding components and excellent performance profile
- › For fixation on elastomeric components, e.g. EPDM rubber profiles (heat-activated side) and on, e.g. automotive coatings, or on high- or low-energy surfaces (modified side)

- › Typical applications include bonding seals or the self-adhesive preparation of strips, profiles, cover plates, etc.
- › High flexibility and therefore optimal for tight radiuses and bonding on curves
- › Multi-purpose tape for indoor and outdoor use

Technical heat activation devices are required for industrial use; please ask for further details.



Technical data	9708 SPT HA
Adhesive	acrylic mass, heat-activated
Colors	gray
Thickness	0.8 mm
Covering	release film
Elongation at break	450 %
Tensile strength	25 N/cm
Adhesion on steel *	40 N/cm
Temperature range	-40 to +120 °C

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

# 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.:

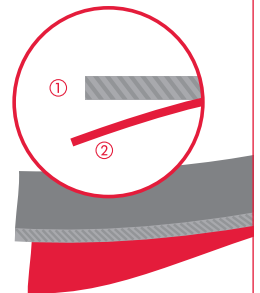
- › Automotive industry
- › Window and door industry
- › Building and construction (HVAC)
- › Glass and facade construction
- › Shipbuilding
- › Electronic industry (splices)
- › White goods industry

## Typical surfaces to bond or seal:

- › Plaster, concrete, stone
- › Insulating foams such as XPS, polystyrene
- › Steel, aluminum
- › 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 plasticizers 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 90700 SPS series

High-performance sealing



Coroplast 90715 SPS

## Applications, advantages and properties

- › Highly elastic, plastic sealing, made of highly transparent acrylic with outstanding adaptability to its bonding partners
- › Universal usage, indoor and outdoor
- › Excellent temperature range
- › 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
- › Patented high-performance sealing tape

Technical data	90701 SPS	90702 SPS	90703 SPS	90705 SPS	90710 SPS	90715 SPS	90730 SPS
Sealing mass	acrylic	acrylic	acrylic	acrylic	acrylic	acrylic	acrylic
Colors	transparent	transparent	transparent	transparent	transparent	transparent	transparent
Thickness	0.05 mm	0.1 mm	0.25 mm	0.5 mm	1.0 mm	1.5 mm	3.0 mm
Liner	repellent film, transparent	repellent film, transparent	repellent film, transparent	repellent film, transparent	repellent film, transparent	repellent film, transparent	repellent film, transparent
T-block tensile strength on aluminum	13.0 N/cm <sup>2</sup>	15.0 N/cm <sup>2</sup>	25.0 N/cm <sup>2</sup>	32.0 N/cm <sup>2</sup>	26.0 N/cm <sup>2</sup>	32.0 N/cm <sup>2</sup>	n.a.
Temperature range*	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C

\* covered and glued



# Coroplast 92700 SPS series

High-performance sealing



Coroplast 92730 SPS

## Applications, advantages and properties

- › Highly elastic, plastic sealing mass with excellent adaptability to the joining partners
- › Expanded with excellent wetting properties
- › Universally applicable indoors and outdoors
- › Very good temperature resistance
- › Outstanding immediate adhesive strength (tack)
- › No drying time, therefore ideal replacement for liquid sealants
- › thanks to good media resistance sealants made from butyl, for example, far superior
- › Can be supplied as single roll or die-cut part, also available as level-wound spool on request
- › Patented high-performance sealing tape

Technical data	92710 SPS	92720 SPS	92730 SPS
Adhesive	acrylic mass, foamed	acrylic mass, foamed	acrylic mass, foamed
Colors	white	white	white
Thickness	1.0 mm	2.0 mm	3.0 mm
Liner	repellent paper or film	repellent paper or film	repellent paper or film
Adhesion on steel*	13.0 N/cm	10.0 N/cm	13.0 N/cm
Temperature range	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C

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

## Special applications





Adhesive tapes based on UHMW-PE	82
Anti-corrosion tape based on PE	83
High-performance sealing tapes	84 – 85
Repairing and fastening tapes	86 – 87
Transparent multi-purpose film tapes	88

# 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 single roll, or die-cut part

## 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
Colors	white, black	white, black	white, black	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 1056 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, 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

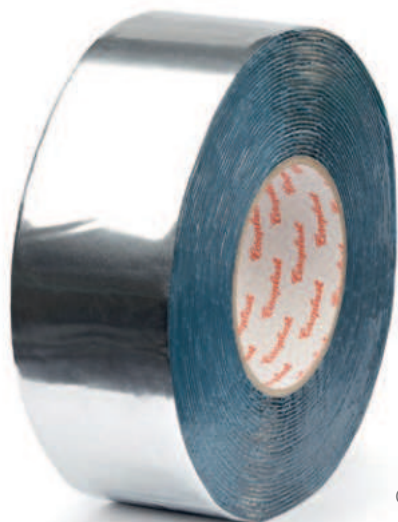
- › Same as 1054 PE but provides greater mechanical load capacity

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
Colors	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 1600 SPS series

High-performance sealing tapes



Coroplast 1665 SPS

## Extremely adaptable sealing tapes for the construction industry

Whether (rough) plaster, concrete, roofing felt, OSB, wood, EPS, XPS, PIR and much more – all new SPS sealing tapes have a high adhesive strength. They adhere securely to a wide range of surfaces. At the same time, the acrylic mass coats even very rough surfaces reliably, as the adhesive flows into the irregularities and interlocks with the substrate.

## Applications, advantages and properties

- › Highly transparent pure acrylic sealing mass with a special multi-layer carrier for sealing purposes against liquids and moisture
- › High flexibility and optimum sealing properties

- › Excellent adhesion and sealing on various smooth and rough surfaces
- › UV and weather resistance
- › Excellent resistance to ageing
- › Cold resistance
- › Halogen-free
- › Good abrasion resistance of the carrier
- › Delivery in rolls of various widths on request possible
- › Patented sealing technology
- › Clean processing

## 1665 SPS

- › Stable, 4-layer aluminum composite carrier
- › High abrasion resistance of the carrier
- › Suitable for bonding to floors or other heavily used surfaces

Technical data	1635 SPS	1655 SPS	1665 SPS
Carrier	2-layer laminate made of special thermoplastic and aluminum films	2-layer laminate made of special thermoplastic and aluminum films	4-layer laminate made of special thermoplastic and aluminum films
Adhesive	acrylic	acrylic	acrylic
Colors	white	aluminum	aluminum
Thickness	0.5 mm	0.5 mm	1.55 mm
Widths	50, 60, 75 and 100 mm	50, 60, 75 and 100 mm	50, 60, 75 and 100 mm
Lengths	10 m	10 m	10 m
Liner	PE film	PE film	PE film
Elongation at break	45 %	45 %	100 %
Tensile strength	36 N/cm	55 N/cm	90 N/cm
Adhesion to steel*	11 N/cm	11 N/cm	11 N/cm
Adhesion to limestone*	27 N/cm**	27 N/cm**	27 N/cm**
Temperature range	-40 to +150 °C	-40 to +150 °C	-40 to +150 °C
Water vapor permeability	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h

\* only adhesive film without carrier was tested, \*\* cohesive break of the adhesive film

# Coroplast 1700 SPS series

## Sealing film tapes



Coroplast 1721 SPS

### Single-sided film adhesive tapes with high adhesive strength for the construction industry

The thick adhesive film ensures an excellent seal and makes bonding to rough substrates such as (rough) plaster, concrete, roofing felt, OSB, wood, EPS, XPS, PIR without any problems.

#### Applications, advantages and properties

- › Single-sided adhesive tapes with a very high coating weight
- › Suitable for sealing purposes, due to their thick adhesive
- › For bonding to rough surfaces
- › Extremely high adhesion to various surfaces

- › Good compatibility to many rough surfaces
- › Excellent ageing resistance
- › Very good water vapor resistance
- › Outstanding sealing properties
- › Halogen-free
- › Patented sealant technology
- › Clean processing

#### 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	1720 SPS	1721 SPS	1722 SPS
Carrier	UV resistant PP film	UV resistant PP film	UV resistant PP-film
Adhesive	acrylic	acrylic	acrylic
Colors	black	black	black
Thickness	1.1 mm	0.6 mm	0.35 mm
Widths	50, 60, 75 and 100 mm	50, 60, 75 and 100 mm	50, 60, 75 and 100 mm
Lengths	10 m	10 m	10 m
Liner	repellent paper	repellent paper	repellent paper
Elongation at break	800 %	800 %	800 %
Tensile strength	17 N/cm	17 N/cm	17 N/cm
Adhesion to steel*	11 N/cm	11 N/cm	11 N/cm
Adhesion to limestone*	27 N/cm**	27 N/cm**	27 N/cm**
Temperature range	-40 to +120 °C	-40 to +120 °C	-40 to +120 °C
Water vapor permeability	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h	< 40 g/m <sup>2</sup> × 24 h

\* only adhesive film without carrier was tested, \*\* cohesive break of the adhesive

# Coroplast 1410 X

Agricultural and repair adhesive tape



Coroplast 1410 X

## 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
- › Outstanding UV stability
- › Highly flexible, hand-tearable, with excellent elasticity
- › Very good temperature resistance
- › Excellent water vapour resistance
- › Good adhesion to several smooth or slightly rough substrates e.g. films, non-woven, glass, plastics or wood

Technical data	1410 X
Carrier	PE film, reinforced with scrim
Adhesive	acrylic
Liner	repellent paper, white
Thickness	0.28 mm
Colors	transparent
Widths	60, 80 and 160 mm
Lengths	25 m
Tensile strength	25 N/cm
Elongation at break	450 %
Adhesion to steel	14.0 N/cm
Temperature range	-40 to +80 °C

# Coroplast 1335 XE, 875 X

Fastening tapes with PET carriers



Coroplast 1335 XE

Coroplast 1335 XE

## Applications, advantages and properties

- › Ideally suitable for fastening and assembling flat cables (e.g. FPC, FFC harnesses) in the automotive industry among others substrates free of agents such as e.g. on roof linings, molded parts and door panels 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

## 875 X

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

## 1335 XE

- › Transparent polyester film adhesive tape with a modified acrylic adhesive with very strong adhesion

Technical data	1335 XE	875 X
Carrier	PET film	PET non-woven
Adhesive	acrylic	acrylic
Backing	none	repellent paper, honey
Thickness	0.10 mm	0.25 mm
Colors	transparent	white
Widths	25, 30 and 50 mm	20, 30, 38, 50, 70 and 100 mm
Lengths	25 and 50 m	25, 50 and 100 m
Tensile strength	65 N/cm	15 N/cm
Elongation at break	50 %	15 %
Adhesion to steel	10.0 N/cm	10.0 N/cm
Temperature range	-40 to +110 °C	-40 to +125 °C

# Coroplast 902, 904

Adhesive films for laminating book covers and maps



Coroplast 902, 904

## 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	902	904
Carrier	plasticized PVC film	plasticized PVC film
Adhesive	acrylic	acrylic
Backing	siliconized paper with grid pattern, red	siliconized paper with grid pattern, green
Thickness	0.10 mm	0.10 mm
Colors	transparent, matt	transparent, matt
Widths	500 and 1,000 mm	500 and 1,000 mm
Lengths	10 and 25 m	10 and 25 m
Tensile strength	17 N/cm	17 N/cm
Elongation at break	130 %	130 %
Adhesion to steel	2.1 N/cm	3.5 N/cm
Temperature range	-10 to +90 °C	-10 to +90 °C

# Coroplast 331, 332

Transparent adhesive tapes based on plasticized PVC



Coroplast 331, 332

## Applications, advantages and properties

- › Multipurpose, transparent adhesive tape
- › Binding tape for the production of orthosis and prosthesis
- › 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, pliable film

Technical data	331	332
Carrier	plasticized PVC film	plasticized PVC film
Adhesive	acrylic	acrylic
Backing	none	none
Thickness	0.10 mm	0.15 mm
Colors	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	20 N/cm	25 N/cm
Elongation at break	180 %	190 %
Adhesion to steel	1.8 N/cm	2.0 N/cm
Temperature range	-40 to +105 °C	-40 to +105 °C



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# 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<sub>a</sub> value**

The S<sub>a</sub> 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 12 months.

### **Silicone**

Silicone is made of chemically modified SiO<sub>2</sub> (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.

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## Color chart for Coroplast adhesive tapes



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



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

Color samples for textile adhesive tapes for wire harness bundling



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

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7343	82	6026 F	64	9005 SPT	68		
7344	82	6031 P	64	9010 SPT	68		
7345	82	6094 P	64	9015 SPT	68		
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8005	34	823 MPX/832 MPX	16	9030 SPT	68		
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