

Compriband-Kombi (rail)

High quality seal.

Especially for the rail vehicle industry.

Tested according to EN ISO 11925-2:2010 and UNI CEI 11170-3:2007

Permanent opening/closing of the joint possible.



Product Information

Compriband-Kombi (rail) is a high-quality elastic joint sealing tape with overlay that has been specially developed for use in sealing joints that are opened. The combination of 2 high-quality sealing tapes (Compriband-A+ and Comprilen) achieves exceptional sealing properties, as well as exceptional resistance to ageing thanks to the special impregnation of the high-quality foam. The sealing effect and protection against the effects of weathering increase with increasing compression of the material. The desired flank adhesion gradually builds up after the compression is released, depending on the temperature, and adapts to the existing joint unevenness.

Areas of Application

Especially for the rail vehicle industry, also in the passenger compartment. Cooling shafts / ducts. Wall / facade.

Colour

- Grey.

Delivery Form

2 m strips (not compressed).

Compriband-Kombi (rail) is available with adhesive or without adhesive.

Product Benefits*

- Fire resistance according to EN ISO 11925-2 : 2010 or UNI CEI 11170-3 : 2007 (f. 27.08.2007).
- Driving rain tight.
- Vapour diffusion permeable.
- Thermal shock resistant.
- Resistant against light and humidity.
- Compatible with conventional materials.
- Acoustic- and thermal-insulating.
- Tight against wind, dust and splashing water.
- Paint coating compatible.
- Application nearly not depending on weather conditions.
- Controlled expansion even with higher temperatures.
- Adaption of any unevenness inside the joint and filling the remaining cavities.
- Solvent-free, no hazardous material.

* The properties and characteristics are depending on the compression of the tape.
For application- and installation-instruction please refer to separate instruction sheet.

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Technical Data for Tapes with a Minimum Height of 10 mm

| | |
|-----------------------|--|
| Basis of foam | Polyurethane cellular foam |
| Basis of impregnation | Acrylic resin with flame retardant |
| Basis of cover | Closed-cell polyolefin foam |
| Fire resistance | According to EN ISO 11925-2:2010 or UNI CEI 11170-3:2007** |

| Properties/Description of Compriband-A+* | Classification | Norm |
|--|--|------------------|
| Coefficient Of Drain Capacity | $a < 1,0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ | DIN EN 12114 |
| Air Permeability | $a < 1,0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ | DIN EN 12114 |
| Watertight Against Driving Rain | DIN 18542 BG1 $\geq 600 \text{ Pa}$ | DIN EN 1027 |
| Service Temperature | -30 °C to + 90 °C, briefly above | |
| Weathering Test | Requirements met | DIN 18542 |
| Compatibility With Conventional Construction Materials | Requirements met | DIN 18542 |
| Building Classification/Flame Resistance | B1 (hardly inflammable) | DIN 4102-1 |
| Vapour Diffusion, Sd-Value | $\leq 0,5 \text{ m}$ with a width of 50 mm | DIN EN ISO 12572 |
| Thermal conductivity | $\lambda = 0,043 \text{ W/m} \cdot \text{K}$ | DIN EN 12667 |
| Resistance to water vapor diffusion μ | ≤ 100 | DIN EN ISO 12572 |
| Long-term stability | 10 years performance guarantee | |
| Storing Period | Can be stored for a very long time at the recommended storage temperature 15 °C to 20 °C, adhesive can be stored for approx. one year. | |

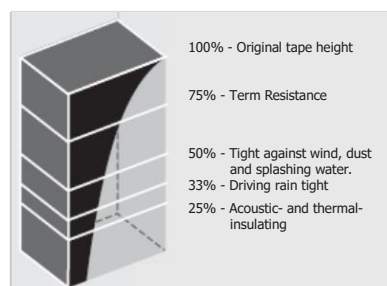
*The functionality of the belt can only be achieved if the belt has been installed or applied in accordance with our current processing instructions and has not been or is not exposed to any influences that we could not foresee. Please read the manufacturer's instructions before installation. If the instructions are not available, please request them from the manufacturer or seller.

Tape Dimensions

| Dimension (Height ¹⁾ x Width) | Tape Width/ Joint Depth [mm] | For Joint Width [mm] | Dimension (Height x Width) | Tape Width/ Joint Depth [mm] | For Joint Width [mm] |
|--|------------------------------|----------------------|----------------------------|------------------------------|----------------------|
| 5 x 10 ²⁾ | 10 | 2 | 25 x 25 | 25 | 5 – 9 |
| 10 x 10 | 10 | 3 – 4 | 25 x 30 | 30 | 5 – 9 |
| 10 x 15 | 15 | 3 – 4 | 25 x 40 | 40 | 5 – 9 |
| 10 x 20 | 20 | 3 – 4 | 25 x 50 | 50 | 5 – 9 |
| 10 x 30 | 30 | 3 – 4 | 30 x 30 | 30 | 6 – 11 |
| 10 x 40 | 40 | 3 – 4 | 30 x 40 | 40 | 6 – 11 |
| 15 x 15 | 15 | 4 – 6 | 30 x 50 | 50 | 6 – 11 |
| 15 x 20 | 20 | 4 – 6 | 30 x 60 | 60 | 6 – 11 |
| 15 x 25 | 25 | 4 – 6 | 40 x 40 | 40 | 8 – 13 |
| 15 x 30 | 30 | 4 – 6 | 40 x 50 | 50 | 8 – 13 |
| 15 x 40 | 40 | 4 – 6 | 40 x 60 | 60 | 8 – 13 |
| 20 x 15 | 15 | 4 – 8 | 40 x 80 | 80 | 8 – 13 |
| 20 x 20 | 20 | 4 – 8 | 50 x 50 | 50 | 10 – 16 |
| 20 x 30 | 30 | 4 – 8 | 50 x 60 | 60 | 10 – 16 |
| 20 x 40 | 40 | 4 – 8 | 50 x 70 | 70 | 10 – 16 |

¹⁾ Height of the raw foam in mm. Actual height including tolerance for all dimensions: +1 to +4 mm.

²⁾ No tests can be carried out for Compriband-Kombi 5 mm due to its low density. Therefore, the above technical data applies from a height of 10 mm. Other dimensions on request.



The edition of Compriband-Kombi (rail), i.e. the closed Comprilen should be pressed against a smooth surface (metal etc.) in order to achieve the optimal sealing effect. Thus, the Comprilen ends with the metal, however, the open-celled Compriband-A+ can be stuck on rough and smooth surfaces.

**NOTE ON FIRE RESISTANCE ACCORDING TO EN ISO 11925-2:2010 or UNI CEI 11170-3:2007: according to the standard, a separate test must be carried out for each installation situation.