



# Technical Data Sheet

## Gerband 186 *hermetic*

Special tape for bonding of vapor barriers according to DIN 4108-11

Gerband 186 *hermetic* is an adhesive tape according to DIN 4108-11. It is a tear resistant, wind and airtight special tape with extremely high adhesion.

It is used for bonding of vapor barriers, PE webs, kraft papers, aluminum webs, PP fleece and hard derived timber plates.

UV-varnish

Polyethylene film

Special paper

Polyacrylate adhesive

Silicone paper



### Product description

#### Carrier

- Special paper, covered with polyethylene film
- Wind and airtight according to DIN 4108-7
- Tear resistant, length and crosswise
- Soft and flexible consistency
- Water-repellent surface

#### Adhesive

- Pure acrylate adhesive
- Extremely high adhesion
- Very high tack

#### Release liner

- Silicone paper

#### Special features

- Outstanding ageing resistance
- Tearable by hand
- particularly low-emission

#### Colour

- White
- Any colour available starting at 25.000 m<sup>2</sup> (print included)

### Applications

- Airtight bonding and sealing of penetrations and overlaps of vapor barriers as well as air barriers according to DIN 4108-7
- We recommend surfaces such as even or slightly raw PE webs as well as non-waxed kraft paper, aluminium webs, PP fleece, and hard derived timber plates (e.g. oriented strand boards) may also be used

### Technical data

Total thickness (DIN EN 1942)*	0.35 mm
Tensile strength (DIN EN ISO 29864)*	≥ 150 N/25 mm
Elongation at break (DIN EN ISO 29864)*	3 % to 5 % lengthwise
Adhesion (DIN EN ISO 29862)*	≥ 40 N/25 mm
Temperature range	-40 °C to +80 °C
Core diameter	76.5 mm

\*according to the respective DIN

### Application notes

- Apply at temperatures from +5 °C to +40 °C
- Surfaces must basically show bearing strength, they must be dry, free of grease and dust and may not own adhesive repellent laminations
- For penetrations use Gerband 586 or Gerband 605
- For bonding MDF boards (medium density fibreboards) we recommend preconditioning subsurfaces with Gerband Butyl Primer 6300
- Leaking substances (e.g. hexanal in case of oriented strand boards) could impair adhesion
- Store in dry rooms from +5 °C to +25 °C, protected from UV-radiation

### Packaging unit

Roll length 40 m

Roll width mm      50   60   75   100   145   180

Rolls per carton    12   10   8   6   4   4

Different packaging units available upon request

### Precut parts for repairs

Format mm	145 x 145	160 x 160
Quantity per roll	275	250
Quantity per carton	1,100	1,000

Further technical data about Gerband 186 *hermetic* available upon request.

Subject to change without notice in line with product advancements.

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Gerband® adhesive tapes are used by a very diverse customer base for a wide range of technical and industrial applications. The demands made on Gerband® products vary considerably from application to application. We strongly advise users to test the product's suitability for their own particular requirement. All data and recommendations contained in this Technical Data Sheet are based on our own test results and practical experience and are aimed at helping customers select the appropriate tape for a given application. This information is provided without liability. We reserve the right to change the technical specification without prior notice. Samples are available free of charge. Our sales team is also available to assist customers with their tape.