

Datasheet for Thermalbond V2100

Extremely strong polyurethane foam spacer for structural glazing and tiling

Product information

Thermalbond V2100 features a polyethylene liner that peels off easily without tearing. The two-sided, pressure-sensitive acrylic adhesive coating adheres to metal and glass, while the semi-rigid foam substrate acts as a spacer.

Properties / Advantages

- The open-cell structure of the foam allows air and moisture to reach the silicone, ensuring optimal curing.
- The extremely strong polyurethane foam substrate is chemically compatible with all tested silicones.
- The low thermal conductivity of the foam substrate reduces heat transfer and thus reduces fogging of windows, doors and metal systems.
- Outstanding weather resistance and resistance to fungi and oxidation.
- Adhesive coating on one or both sides for easy application.
- The double-sided tape helps to stabilize the components while the silicone is curing.

Dimensions

 Thickness x length

 3.2 mm x 15.25 m
 4.8 mm x 15.25 m

 6.4 mm x 15.25 m
 8.0 mm x 7.6 m

 9.5 mm x 7.6 m

Technical data

Density Force to Compress Hardness (Shore A) Tensile Strength (kPa) Elongation Dynamic Tensile Adhesion Service Temperature Application Temperature 497 kg/m³ 214 kPa, 10 % 35 1.241 kPa 125 % 379 kPa, 15 min. dwell -35 to +95 °C +15 to +50 °C ASTM D-1667 ASTM D-1667 ASTM D-2240 ASTM D-412 ASTM D-412 NTP-11





The Original. Quality since 1963

compriband-Dichtungen GmbH | Leopold Spitzer-Str. 24 | A-4600 Wels | +43 7242 30 20 30 | office@compriband.at | www.compriband.at

All data are laboratory values which may deviate in practice and therefore do not represent an assurance of a specific property. The variety of details and possible combinations cannot be dealt with in this framework. It is up to the user to inform himself accordingly. A specific result cannot be guaranteed due to the unmanageable nature of the processing conditions. It is strongly recommended that users carry out their own tests to ensure that the desired result is achieved. Previous editions are no longer valid. Our General Terms and Conditions apply. We reserve the right to adapt the product to technical progress and new developments (20.04.2022).Data sheed Norton V2100 V01.docx

Application

- Excellent spacer for two- or four-sided structural glazing systems.
- Insulation layer for double windows and double doors.
- Vibration damping.
- Conventional spacer for interior glazing.
- For clear, light tinted or monolithic glass, Thermalbond should be used with adhesive coating on one side only to avoid unsightly air entrapment.

Application instruction

The contact surfaces must be completely clean and dry. Once Thermalbond V2100 has been applied, it cannot be removed or reapplied. Therefore, the bonding areas must be chosen carefully. If the tape has been applied in the wrong position, remove and discard the used Thermalbond V2100. Then apply a new Thermalbond V2100 in the correct position. Always test the product for system compatibility first, as individual application conditions may have a negative effect on the results obtained.

Storage

The material should be stored at room temperature and normal humidity.