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

## Application

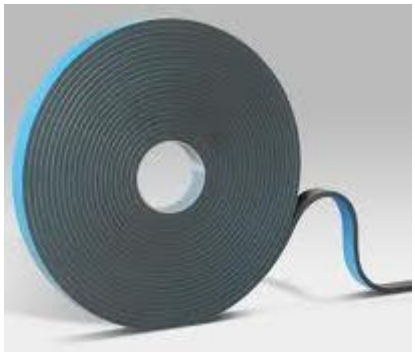
- Excellent spacer for two- or four-sided structural glazing systems.
- Insulation layer for double windows and double doors.
- Vibration damping.
- Conventional spacer for interior glazing.
- For clear, light tinted or monolithic glass, Thermalbond should be used with adhesive coating on one side only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





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