



**Product**

Carrier made of high density open-cell polyurethane foam with an acrylic adhesive layer on both sides. The Thermalbond® V2100 distinguishes itself by a polyethylene liner that is easily removable without tearing. The double-sided acrylic adhesive layer is pressure-sensitive and adheres to both metal and glass, while the carrier ensures the necessary distance.

**Application examples**

- exceptional spacer for 2 or 4-sided glued glazing systems
- conventional spacer inside the glass
- thermal break in glazing
- vibration damper

**Colour**

Anthracite with blue polyethylene liner

**Thicknesses, widths and lengths**

Thickness (mm)	Width (mm)	length (m)
3,20	van 6 tot 1.350	15,25
4,80	van 6 tot 1.350	15,25
6,40	van 6 tot 1.350	15,25
8,00	van 8 tot 1.350	7,60
9,50	van 9 tot 1.350	7,60
12,50	van 12 tot 1.350	6,10

**Packaging**

On a roll  
In boxes, separated by a silicone paper

**Properties/advantages**

- ✓ the open-cell structure allows air and humidity to pass through to the silicone, making adhesion faster and optimal
- ✓ the high density polyurethane carrier is chemically compatible with all silicones tested\*
- ✓ the very limited thermal conductivity of the carrier limits the transfer of heat and avoids condensation on glass, doors and steel
- ✓ excellent resistance to UV radiation, mildew and oxidation
- ✓ suitable for punching parts

**Technical properties**

Property	Value + unit
Density (ASTM D-1667)	497 kg/m <sup>3</sup>
Shore hardness A (ASTM D-2240)	35°
Temperature resistance	-35°C to +95°C
Application temperature	+15°C to +50°C
Compressibility 10% (ASTM D-1667)	214 kPa
Elongation at break (ASTM D-412)	125 %
Adhesive rupture (ASTM D-412)	1.241 KPa
Dynamic, adhesive rupture after 15 min. (NTP-11)	379 kPa
Dynamic shear resistance after 15 min (NTP-5)	276 kPa
Static shear resistance (pressure of 7 kPa) (NTP-57)	+2.000 h
Thermal conductivity (ASTM C-518)	0,080 W/m.K
Storage	in the original, unopened packaging at room temperature and 50% R.H.

\* consult the silicone manufacturers for more information on the compatibility of the product. Each project must be individually laboratory tested in advance to confirm compatibility between Thermalbond® V2100, structural silicone and any other associated product.

**Application guide**

For maximum adhesion, it is recommended to prepare the contact surface well by removing any traces of dust, soap or oil using a suitable detergent type DOWSIL™ R-40 (based on a well-designed mixture of isopropanol and acetone - clear liquid).

DOWSIL™ R-40 is ideal for cleaning non-porous surfaces before applying self-adhesive PVC tapes. Compatible with glass, reflective glass, enamelled glass, metals and plastics. Packaging: Can of 1 or 5 litres.

To be used with a soft, lint-free cloth.

# CS-DS-V2100

## Application guide (continued)

The contact surfaces must be clean and dry. Once the Thermalbond® V2100 has been applied, it may no longer be removed or reused.

It is recommended to position and apply the product in such a way that it comes into contact with the entire surface.

In case of incorrect positioning, the Thermalbond® V2100 must be permanently removed and the operation must be carried out again with a new piece.

It is recommended to test this product with regard to the compatibility of the system, as the individual application conditions may influence the final results.

The Thermalbond® is a **spacer** and not a structural component.

## General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 03-2009

The producer reserves the right to make changes. 2020 04 01