



## Product

Preformed elastomer based on vulcanised silicone.

## Application examples

- Glassworks
- Rooflight constructions
- Automotive and aeronautics industry
- Facade construction
- Electronic sector
- Span ceilings
- Sector where silicone compatibility is required
- Curtain walls, facades

## Colours

Standard: transparent (milky white)

Black, white, grey, brown

All RAL colours are available ( with minimum quantities)

## Thicknesses

Variable according to specification

## Widths

6 to 1.350 mm

Tailor-made according to the customer's wishes (according to plan)

## Versions

- Round
- Square
- Rectangular
- Extruded according to plan
- Standard profiles

## Properties

- ✓ Relatively constant elasticity in a wide range of temperatures (from -60 to + 200°C)
- ✓ Available in a wide range of RAL or metal colours
- ✓ Reliable bonding on a wide range of substrates with the appropriate silicone
- ✓ Functional properties are kept for many years
- ✓ Exceptional compatibility on a wide range of substrates such as glass and other surfaces
- ✓ UV protection of double-glazed joints
- ✓ Very good joint ventilation thanks to good water vapour permeability
- ✓ Exceptional UV resistance
- ✓ Highly resistant to ageing and weather influences

## Technical properties

Property	Value + unit
Specific weight (ASTM D2240)	1,90-1,25 g/cm <sup>2</sup>
Shore hardness A (ASTM D792)	40-80°
Elongation at break (ASTM D412C)	200 to 500%
Tensile strength (ASTM D412C)	8 to 14 MPa
Tear strength (ASTM D624B)	12-22 kN/m
Impact elasticity (DIN 53512)	20 to 40%
Permanent deformation (DIN 53517)	10 to 25%
Temperature resistance	-60°C to +200°C
Vapour permeability (DIN 53553)	1980 μ
Ozone resistance	100 ppm
Storage	in a room with a constant temperature of 21°C and 50% relative humidity

## General information / additional benefits

Perfect chemical compatibility between the glass, the silicone profile and the sealing silicone. Very good elasticity, initial memory and tear resistance.

Contains no active ingredients for the improvement of the UV and ageing resistance in contrast to the formulations of synthetic rubber such as EPDM, polychloroprene, ...

These additives can migrate to other surfaces, causing contamination and accelerated ageing of the rubber.

Important water vapour diffusion which allows the joints to "breathe" and the occasional water penetration can be removed. The widths of the silicone profiles range from 4 to 30 mm for glass thicknesses from 9 to 45 mm.

Some models have different rooms that can be separated during installation. This makes it possible to adjust the silicone profile to the joint depth.

# EXTRUDED SILICONE: CS-VR-SIL PROFILE

No deformation of the profiles when applying the sealant to the external facade.

Easy control of the thickness of the applied silicone layer.

The joints and the glass volumes do not show any metal finish such as aluminium profiles.

There are no specific requirements when joining corners thanks to the adapted or preformed pieces.

It is recommended to glue the parts in contact with the corners with the appropriate silicone sealant.

Expansion of joints: these sealing profiles can absorb changes in joint width of 2 to 4 mm, thus compensating for the common variations in joint width that occur during the installation of glass volumes.

## 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 (mixture of 50/50 isopropanol alcohol/water) type Dowsil™ R-40.

## General information

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Technical data of supplier: 09 2005

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