

US-450

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Description

One-part, neutral curing, low modulus silicone sealant for perimeter sealing, glazing and sanitary applications.

Features

- Non-sag. ■ Sanitary. ■ Low odour. ■ Resistant to all weather conditions and UV.
- Ready gunnability between -20°C and +40°C. ■ Flexible between -40°C and +100°C.
- Non-corrosive to metals
- Primerless adhesion to most materials.
- Suitable for alkaline substrates such as concrete, mortar, fibrous cement.
- Compatible with water-based and solvent-based coatings: no plasticizer migration.
- Long shelf life.

Applications

- Sealing of connecting and expansion joints in the building industry.
- Sealing of joints in sanitary applications.
- Perimeter sealing.

Restrictions on use

US450 ; ®

- may be discolored in contact with some organic elastomers, e.g. EPDM, APTK ve neoprene.
- not recommended for use on natural stone such as marble, granite, quartzite, as it can cause staining.

Technical Data

Technology		Silicone
Consistency		Non-sag
Curing system		Neutral
Density / at 23°C	[g/ml]	1.03
Application temperature	[°C]	-20 and +40
Temperature resistance	[°C]	-40 and +100
Working time	[min]	5 and 10
Skin forming time at 23 °C / %50 r.h.	[min]	15
Tensile strength	ISO 8339 [N/mm²]	0.5
Elongation at break	ISO 8339 [%]	250
Hardness, Shore A	ISO 868	18
Tear strength	ISO 34, method C [N/mm]	4.0
Movement capability	ISO 11 600 [%]	25

Shelf life

15 months if stored between + 5 and + 25°C.

Surface preparation

The surface must be clean, dry, free of dust,dirt,rust and oil.

Colours

Transparent, white, black, brown, grey, aluminium metallic.

Packaging

<u>Code #</u>	<u>Type</u>	<u>Box quantity</u>
	310 ml cartridge	30 pcs.

Application

Apply with caulking guns for the cartridge types.