SealPrem Window & Door Silicone

Product Description

Multipurpose high movement capability neutral silicone for window and door installations and general building construction. Low modulus, high elasticity and movement capability neutral curing silicone sealant that reacts with atmospheric moisture producing a flexible rubber.

Features

- Excellent bond with most substrates
- High movement capability ±25%.
- Weather, ageing and mould resistant
- Excellent for glazing applications
- Low elastic modulus

Typical Applications

- Filling, sealing and glazing, indoors and outdoors
- Sealing high movement joints, e.g. façade joints and window perimeter
- Filling and weatherproofing seams between window and door frames
- All finishing and sealing works
- Important! Not suitable with natural stone

Adhering to:

- Concrete
- Masonry
- Wood
- Brick
- Aluminium (lacquered, anodized, painted)
- PVC
- Glass
- Ceramics
- Most plastics

	Value
Basis	Oxime
Density (DIN 53 479-B)	1.01 g/ml
Tack free time	2-4 min
Skin forming time	5-10 min
Curing rate	approx. 3mm/24h
Loss of volume (ISO10563)	<10
Resistance to flow (ISO 7390)	0mm
Application temperature	+5°C to+40°C
Service temperature	-40°C to+150°C
Movement capability (ISO 11600)	±25%

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Elastic recovery (ISO 7389)	>85%
Shore A hardness (ISO 868)	approx. 18
E-Modulus 100% (ISO 8339) cured	0.25N/mm^2
Tensile strength (ISO 8339) cured	0.35N/mm^2
Elongation at break (ISO 8339) cured	>250%
Colour	Transparent, brilliant white
Package	300 ml cartridge

Application Instructions

Application conditions:

Application temperature between +5°C and +40°C.

Surface preparation:

The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth

Application method:

Cartridge: cut off the threaded end of the cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger.

Foil package: open the end of the foil pack and place the pack inside the gun so that the dosing nozzle keeps covering its open portion. Place the dosing nozzle on the open end and screw on the cap to close the tube. Cut the nozzle to create a suitable opening for dosing sealant. Apply sealant in the joint by repeatedly and evenly pressing on gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a suitable tool (e.g., spatula) and remove excess material.

If necessary, the adjacent surfaces of the joint should be protected to avoid staining. Usually, masking tape is used for this. Protective masking tapes should be removed before the sealant's skin is formed.

In wider and movable joints, backer rod should be used as a back-up material, to ensure the correct thickness and shape of sealant joint and to avoid three-sided adhesion.

Ensure adequate ventilation in all joint locations. During the curing process, make sure that no impurities can settle on the surface and that the joint surface is not affected by mechanical load

Cleaning:

Uncured sealant can be cleaned with solvents like white spirit, acetone or with special cleaning wipes.

Cured sealant can be removed mechanically. If needed silicone remover should be used.

Storage conditions and shelf life

Guaranteed shelf life 12 months from the manufacturing date when stored in closed original package in a dry place and protected from direct sunlight at temperatures between +5°C and +30°C.

Limitations

- Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents (e.g. natural rubber, chloroprene, EPDM, ...).
- There is no adhesion to PE, PP, PTFE (Teflon®).
- We don't recommend this product to be used for natural stone sealing.
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility and adherence test. If necessary, prime surfaces to improve adhesion.
- Due to the wide variety of influences during and after application, the customer must always test the product first.
- Please observe the expiration date!

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment.

More specific safety information is available on the safety data sheet (SDS).

Technical classification and certificates

- Sealant for facade for interior and exterior application, suitable for use in cold climate.
  EN 15651-1:2012: Type F-INT-EXT-CC: CLASS 25LM
- Sealant used for sealing glazing applications, suitable for use in cold climate.
  EN 15651-2:2012: Type G-CC: CLASS 25LM
- Sealant used for sanitary joints.
  EN 15651-3:2012: Type S

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