

**BOSS® 390 GLAZING SEALANT****TECHNICAL DATA**

Basis	Polysiloxane
Consistency	Stable paste
Curing System	Moisture curing
Density	1.40 ± 0.2 g/ml
Skin Formation Time* (23°C/50% R.H.)	18 min
Curing Rate * (23°C/50% R.H.)	3 mm/24 hours
Flow, Sag or Slump	NIL
Hardness, Shore A, Points** (ISO 868)	40-48
Tensile Strength** (ISO 37)	2.3 N/mm2
Elongation** (ISO 37)	480 %
Service Temperature**	-50°C to 150°C

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS 390 is a one-component, structural glazing sealant with excellent tensile strength and aging resistance, ideal for curtain wall glazing. It offers strong adhesion on most substrates.

Properties

- Odourless and non-corrosive curing system
- Cures to an extremely tough, elastomeric sealant providing a durable and watertight bond.
- Excellent weatherability with high resistance to UV radiation, heat, humidity, ozone, and temperature extremes
- Exhibits excellent mechanical properties for long-term performance

Applications

- Structural glazing of curtain wall, such as glass and aluminium curtain wall
- Structurally glazing of insulating glass
- Skylights, metal structure and other industrial purposes

Packaging

Colour: Black

Packaging: 280 ml cartridges & 600 ml sausages.

Storage & Shelf life

When stored in original unopened container at or below 80°F (27°C), BOSS® 390 has a shelf life of 12 months from date of manufacturing.

Substrates

Suitable for all common building substrates used in structural glazing. Substrates must be rigid, clean, dry, and free from dust, grease, or other contaminants.

Surface Preparation:

BOSS® 390 offers excellent adhesion to most structural glazing substrates. Non-porous surfaces: Clean using a BOSS® cleaner. Porous surfaces: Prime with a suitable Primer. Not compatible with: PE, PP, PTFE (Teflon®), or bituminous surfaces. Due to the variety of materials used in structural glazing, preliminary adhesion and compatibility testing is strongly recommended for all substrates prior to application.



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Application method

Joint preparation:

The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant or glazing compounds, protective coating and any traces of contaminant which may affect adhesion. Surfaces should be degreased with solvent soaked cloth and then wiped with a clean cloth. To remove dust, use oil-free compressed air.

Priming:

For almost substrates, BOSS 390 need no primers. Whether use primer or not when applied on special substrates, prior test is recommended.

Sealant application:

For good performance it is essential that the sealant is only bonded to the two facing sides of the joint. Backup material (closed cell polyethylene or open cell polyurethane foam) can be installed to achieve this. Apply the sealant in a continuous operation making sure all air pockets or voids are eliminated. Bond the substrates. Excess uncured sealant should be wiped and cleaned with a commercial solvent, cured sealant can only be removed by scraping (i.e. with a razor blade), or with a special silicone remover product.

Health- and Safety Recommendations

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOUR MAY IRRITATE EYES, NOSE, AND THROAT.

Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and flush with water. KEEP OUT OF THE REACH OF CHILDREN.

Remarks

- BOSS 390 Should not be used for frost, wet surface or impenetrable places
- BOSS 390 Should not be used on materials with grease, plasticizer or other dissolves
- BOSS 390 Should not be used on copper and its alloy
- BOSS 390 Unfavorable on materials with surface temperature lower than 4°C or above 40°C during construction

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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