



BOSS[®] Flexsil

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable Paste
Curing System	Moisture Curing
Density	0.98 ± 0.02 g/ml
Skin Formation Time* (23°C 50 % R.H.)	5-10 min
Curing Rate* (23°C 50 % R.H.)	2.5-3 mm/24 hours
Flow, Sag, or Slump	Nil
Hardness, Shore A points** (ISO 868)	20 ± 5
Tensile Strength** (ISO 37)	1.5±0.3 N/mm ²
Elongation ** (ISO 37)	>450 %
Temperature Resistance**	-40°C to 180°C

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

**This information relates to fully cured products.

Description

BOSS[®] FLEXSIL is a one-part, acetoxo-curing silicone sealant that forms a strong, flexible seal in and around joints. It is a cost-effective, easy-to-use, general-purpose sealant. Once cured, it exhibits excellent physical properties, including good weather resistance, durability, and reliable sealing and adhesion performance.

Properties

- Easy to use – one part, no mixing required
- Good weatherproofing properties
- 25 % joint movement capability
- Fast cure
- Non-slumping can be used in vertical and overhead joints

Applications

It is widely used in building and construction for joint adhesion and sealing, including perimeter sealing around window and door frames, architraves, and skirting boards.

It is ideal for use on glass, metal, plastic, ceramic, wood, aluminium joints, air-conditioning systems, and uPVC surfaces.

Packaging

Packaging: 260ml.

Colour: Clear, White, Black

Storage & Shelf life

When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, BOSS Flexsil has a shelf life of 12 months from manufacturing date. Containers should always be kept sealed when not in use. Application temperature is 5 to 40 °C

Substrates

Substrate: All usual building substrates, no pvc, not suitable for concrete.

Nature: rigid, clean, dry, free of dust and grease. **Surface preparation:** Porous surfaces should be primed with Primer. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Teflon[®]) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

Joint dimensions

Min. width for joints : 5 mm

Max. width for joints : 30 mm

Min. depth for joints : 5 mm

Recommendation for sealing jobs: joint width = 2 x joint depth

Application method

Joint Design : Ensure correct joint design to minimize stress on the sealant and achieve optimal performance.



BOSS[®] Flexsil

Surface Preparation

- Clean all joint surfaces thoroughly for both new and existing applications.
- Surfaces must be clean, dry, and free from dust, dirt, grease, and other contaminants.
- Remove any protective films from new Substrate & Clean surfaces using a suitable solvent.

Masking

- Apply masking tape where precise and neat bead lines are required.
- Remove the masking tape immediately after application, before skin formation begins.

Application

- Apply the sealant to clean and dry surfaces only.
- Use a pneumatic or manual cartridge gun.
- Do not open the cartridge until just before use.

Finishing & Cleaning

- Ensure proper tooling of the sealant immediately after application.
- Remove excess or uncured sealant from tools using a suitable commercial solvent.

Health- and Safety Recommendations

Direct Contact Of Uncured Sealant Irritates Eyes And May Irritate Skin. Overexposure To Vapor 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

- Do not use for structural glazing applications.
- Not paintable.
- Not recommended for use in underground joints or in areas subject to abrasion or mechanical damage.
- Do not apply on masonry substrates such as concrete, marble, limestone or brick.

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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