TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 07-04-2026

BOSS® GP SILICONE SEALANT

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)	1.2 -1.5 N/mm²
Elongation ** (ISO 37)	>500 %
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 GP Silicone Sealant is a one-part acetoxy cure adhe- sive sealant that is suitable for general construc- tion sealing and bonding applications. This product will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces.

Properties

- Easy to use – one-part sealant; no mixing required.
- Good weatherability – virtually unaffected by sunlight, rain, ozone, and temperature variations.
- Long-term reliability – the cured sealant remains rubbery from –40°C to 180°C without tearing, cracking, drying out, or becoming brittle.
- Wide application temperature range – can be applied in all seasons.

Applications

BOSS GP is ideally suited for sealing, glass, windows, shop- front, aluminium joints, showcases, bus body building and automobiles.

Packaging

Packaging: 260ml, 280ml, other sizes available on request.
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 GP Silicone sealant 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 Prime. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Tef- lon®) 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

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Application method

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

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.

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