



BOSS® GP SILICONE SEALANT

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable Paste
Curing System	Moisture Curing
Density (g/ml)	0.98 ± 0.02
Skin Formation Time* (22°C 45-55% R.H.) (min)	5-30
Curing Rate* (22°C 45-55% R.H.) (mm 24 Hours)	2.5-3
Flow, Sag, or Slump (mm)	Nil
Hardness, Shore A points** (ISO 868)	15-25
Tensile Strength** (N/mm ²) (ISO 37)	1.3-1.8
Elongation ** (%) (ISO 37)	>300
Maximum Allowed Distortion (%) (ISO 11600)	15
Service Temperature** (°C)	-30 to 120

*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 acetoxycure adhesive sealant that is suitable for general construction 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, no mixing required
- Good weatherability - virtually unaffected by sunlight, rain, ozone and temperature
- Long life reliability, cured sealant stays rubbery from -50°C to 150°C without tearing, cracking, drying out, or becoming brittle
- Wide temperature applicability; can be applied in any season

Applications

BOSS® GP is ideally suited for sealing, glass, windows, shopfront, aluminium joints, showcases, bus body building and automobiles.

Packaging

Colour: Clear, White, Black

Packaging: 280ml, other sizes available on request.

Shelf Life

When stored in original unopened containers at or below 27°C, BOSS® GP SILICONE SEALANT has a shelf life of 12 months from the date of manufacturing. Containers should always be sealed when not in use.

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 150. 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.



BOSS[®] GP SILICONE SEALANT

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth

Application Method

Make sure the joint design is correct. Proper joint design minimizes stresses on the sealant. Clean the joint surface on both new and old jobs. Surfaces must be clean, dry, and sound. Since new materials often come with a protective film, solvent-wash all surface materials with a wet brush and an oil-free solvent.

Use masking tape where bead lines of exact shapes are required. Masking tape should be removed immediately after a bead is completed before a skin begins to form.

Apply sealant to dry, clean surfaces. An air-operated or hand operated cartridge gun may be used. Do not break cartridge seal until just before use. Surfaces in this instance should be dried before the sealant is applied. Uncured sealant may be cleaned from tools using commercial solvent.

Health and Safety Recommendation

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

- Not to be used in aquariums.
- Do not use for structural glazing.
- Not recommended for use in underground joints or where abrasion and physical abuse are encountered.
- Do not apply to surfaces that require painting or to masonry substrates such as concrete, marble, limestone, and 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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