



BOSS® GP SILICONE SEALANT

TECHNICAL DATA

Uncured

Density**	0.97 ± 0.02g/mL
Colors	Clear, White, Black
Flow, Sag or Slump	NIL
Skin Formation Time* (22°C / 50% R.H)	5 - 15 min
Curing Rate* (22°C / 50% R.H)	2mm / 24 hours

Cured-Physical

Elongation	>700%
Durometer Hardness, Shore A, points	15-23
Tensile Strength, N/mm ²	1.5-2.0
Maximum Allowed Distortion	25%
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® GP Silicone Sealant is an one-part acetoxy cure adhesive sealant that is suitable for general construction/industries 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.

BOSS® GP silicone sealants ideally suited for sealing glass, glass windows, shopfront, aluminium joints, showcases, bus body building and automobiles. BOSS® GP cures at room temperature in the presence of atmospheric moisture to form a permanent flexible silicone rubber.

Benefits

- Ease of use, one-part sealant, no mixing required
- Good weatherability – virtually unaffected by sunlight, rain, ozone, and temperature extremes.
- Long life reliability, non sag, cured sealant stays rubbery from -50 to 150°C without tearing, cracking, drying out, or becoming brittle

- Wide temperature gunnability can be applied in any season
- Excellent primerless adhesion to most non porous materials like glass, tiles, glazed tiles, ceramics etc

How to use

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 free of all loose particles like dust, rust, dirt, oil etc. Since new material is often 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. Tool joint, if necessary, and remove masking tape. Tooling should be completed in one continuous stroke. Tool

BOSS[®] GP SILICONE SEALANT

immediately after sealant is applied and before a skin begins to form. Do not use soap or oil as a tool aid. Remove masking tape immediately after tooling is completed.

Limitations

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

Storage and 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 and stored away from direct sunlight and weather. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. NEVER stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

Caution

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 SKIN CONTACT, remove from skin and flush with water. KEEP OUT OF THE REACH OF CHILDREN.

Packaging

BOSS[®] GP Silicone Sealant is available in 280ml standard caulking cartridges. Other sizes can be provided depends upon request.

Users please read

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization. The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The users exclusive remedy and the suppliers sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.

Shipping limitations

None.

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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