



GS sealant

TECHNICAL DATA

G-GLAZE S1

WEATHERPROOFING SEALANT, NEUTRAL 100% SILICONE SEALANT



TYPICAL PROPERTIES

G-Glaze S1 Weatherproofing Sealant

PROPERTY	VALUE	TEST METHOD
Dynamic Joint Movement	± 25%	ASTM C719
Tensile Strength	240 PSI	ASTM 412
Hardness (Shore A)	26	ASTM D2240
Minimum Joint Dimensions	6mm x 6 mm	-
Maximum Joint Dimensions	50mm x 9.5 mm	-
Tack – free time	20 minutes	Fed.Spec.TT-S-001543a
Cure Time	3 – 5 days	To 3/8" depth @ 27° C and 50 % RH
Tooling Time	10 min	@ 27°C & 50% RH
Slump	1 mm max	-
Performance Range	- 60 to + 232°C	-
Method	Ketoxime (neutral)	-
Application Temp. Range	+ 4 to 43°C	-
Peel Strength	25 ppi	ASTM C794
PSI Stress @50% Extension	33spi	1/2" x 3/8" x 2" bead
Packaging	310 ml, 600 ml	-
Conformance to ASTM & Federal Specifications	ASTM C 920, Type S,Ns, Class 25, JIS A5758	

1. One part, ready to use.
2. Excellent resistance to UV rays, Ozone and temperature extremes.
3. Primerless Adhesion to PVC, CPVC, KYNAR 500/HYLAR 5000 based paints and coatings, anodized Aluminum most other common building substrates and metals, glass plastics, composite panel, aluminium and concrete.
4. 10 years guarantee.
5. Conform to ASTM C-920 Specifications of Type S, ns, Class 25 sealants, JIS A5758



APPLICATIONS

G-Glaze S1 Silicone Sealant offers excellent adhesion to a wide range of substrates including glass, ceramic, aluminium, metal as well as mortar, masonry surface and plastics.

Typical sealing include glass –to– glass or glass –to– aluminium sash bonding in curtainwall and windows, prefabricated house use, metal cladding and ducting, caravans, appliance manufacturing, plastic sign installation and any application requiring a neutral fast curing silicone sealant.

DESCRIPTION

G-Glaze S1 Silicone Sealant is a one part silicone sealant. After application, it reacts with atmospheric to produce a formed-in-place silicone rubber seal. Available in Clear/White/Black/Grey/Aluminium Grey/Light Grey/Almond/Dark Brown.

JOINT DESIGN

For Standard Glazing, a thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should be not less than 4 mm. Maximum joint width should be 25 mm. Depth should be half of the width with a maximum of 10 mm.

Polyethylene closed cell foam rod is recommended back – up material to provide the correct depth of joint. Polyethylene tape bond breaker is recommended for shallow joint. Avoid 3–side bonding.

For Butt Glazing between glass panels, the sealant bead may be as deep as the glass thickness.

LIMITATIONS

G-Glaze S1 Silicones Sealant is not recommended for use :-

On submerged joint where porous substrates permit water to the bond interface.

On certain vulcanised rubber gaskets or tapes, where bleeding of plasticisers may occur. This may cause colour change or adhesion loss.

SURFACE PREPARATION

All substrate surface must be clean, dry and free from dust, oil or any other contaminants before applying sealant.

Use methyl ethyl ketone (MEK) for cleaning metal, glass and stone. Naphtha may be used on plastics and rubber. Consult the manufacture for recommended cleaning solvent on other substrates.

SEALANT APPLICATION

Cut nozzle to a sharp angle slightly wider than desired bead. Extrude sealant with a gun and tool immediately (within 10 minutes) with a round spatula to spread the sealant against the back-up material and joint surfaces. When necessary to obtain a neat appearance, it is recommended to apply masking tape on the joint edge of the substrate where sealant filling is not needed. This will prevent the sealant from staining these surface. Masking tapes should be removed immediately after tooling and before a skin forms.

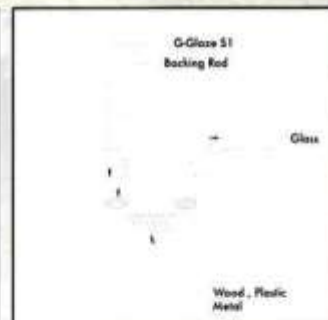
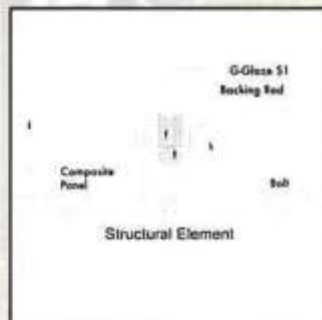
Excess sealant should be cleaned off non porous surfaces while in the uncured state with a commercial solvent such as MEK, Xylene or Naphtha. Do not smear sealant on surfaces during cleaning.

PACKAGING STORAGE & SHELF LIFE

G-Glaze S1 Silicone Sealant is available in 310 ml. plastic cartridges, 600 ml. foil sausages. When stored in the original unopened containers at temperature less than 25°C, G-Glaze S1 Silicone Sealant offers a shelf life of 12 months date of shipment.

HANDLING PRECAUTIONS

This product is manufactured and marketed for construction use only. Uncured sealant may irritate eyes, irritation of the skin may sometimes occur if the uncured sealant is left on the skin for a long period. In case of contact with eyes, immediately flush eyes with water and seek medical attention. Application of sealant should be done in well – ventilated place.



Distributor by.

G-S sealant