SG556

MULTI PURPOSE SILICONE WEATHER SEAL

SINGAPORE GREEN BUILDING PRODUCT
S G B C
EXCELLENT
SGBP 5053

DESCRIPTION

SG556 is a single component neutral curing medium modulus silicone sealant with excellent mechanical properties and weathering capabilities and good adhesion to most porous and non-porous substrates, having a movement accommodation of +/- 30%

BASIC USES

SG556 is a multi purpose weather seal sealant designed for use in curtain walls and facades, perimeter and movement joints.

PACKAGING

300 ml cartridge (25 per case)
600 ml sausage (20 per case)

FEATURES & BENEFITS

- Excellent adhesion to most common construction materials
- Outstanding resistance to UV and weather conditions
- Excellent elongation and recovery
- Low odour and easy to apply

COLOUR

Pure White, Mid Grey, Bronze, Signal Black, White Anti-Fungal (AF), Clear Anti-Fungal (AF)

LIMITATIONS

Do not apply below 0°C or while raining. Not suitable for over painting. Not recommended for permanent immersion, use on materials where migration of constituents can take place (e.g. certain rubbers) or food contact. Do not use where abrasion or physical abuse will be encountered (e.g. trafficable joints). Always test before using on sensitive substrates (e.g. marble, architectural stones, etc.). Where staining is a problem, use SG555 or SG557.

DIRECTIONS FOR USE

Joint Design Considerations

- Joint width should be maximum 20 mm.
- Width to depth ratio of SG556 should be 2:1.

Surface Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may affect adhesion. Any previously applied sealant must be mechanically removed.
- Thoroughly clean with a suitable cleaning solvent using the two cloth method, using one cloth dampened with the cleaning product to lift contaminants and a second clean dry cloth is used to remove any cleaner residue.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Contact Tremco CPG Technical Services Department for further information if required.

Joint Backing

- In movement joints, back fill the joint with polyethylene joint backing in order to control the depth of sealant and prevent three-sided adhesion.

Application

- Always carry out a test application prior to installation, to confirm compatibility and suitability for use.
- Apply between +5°C and +40°C using a conventional skeleton gun or powered equipment.
- All beads should be tooled after application to ensure firm, full contact with the joint faces.
- Tooling should commence without delay.
- Application should be in accordance to local codes of practice for sealing joints.

CLEANING

Remove excess sealant immediately with a suitable cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

COMPLIANCE & APPROVALS

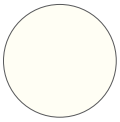
- This product is compliant with ASTM C920 Standard Specification for Elastomeric Joint Sealants.
- This product is compliant with ISO 11600G CLASS 25LM (previously known as BS 5889) Standard Specification for Elastomeric Joint Sealants.
- This product is compliant with KS F 4910:2010 Standard Specification for Elastomeric Joint Sealants.
- VOC < 3.0 g/L (ISO 11890-2); Specific Hazardous substances ie Formaldehyde, APEOs, Halogenetic solvents, BBP, DBP etc – Not detectable (ISO 11890-2)
- Dynamic Headspace (DHS) Outgas analysis (DHS GC MSD Method) – suitable for clean room application

WARRANTY

Tremco CPG APAC products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG APAC written instructions and (b) in any application recommended by Tremco CPG APAC, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco CPG APAC reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

PROPERTY	TEST METHOD	TYPICAL VALUES
Appearance		Paste
Specific Gravity		1.40 ~ ±0.02
Shore A Hardness	ASTM C661	30 - 40
Staining	ASTM C510	OK
Tack Free Time	at 23°C, 50% RH	< 20 minutes
Cure Time		1 - 2 mm/day
Slump		Non-slump type
Tensile Strength	ASTM D412	> 0.85 N/mm²
Modulus at 100% Elongation	ASTM D412	> 0.40 N/mm²
Elongation at Break	ASTM D412	> 330%
Adhesion/Cohesion Under Cyclic Movement	ASTM C719	± 30%
Adhesion in Peel	ASTM C794	> 2N/mm
Application Temperature		+5°C to +40°C
Service Temperature Range		-40°C to +150°C
Storage	Store in dry shaded conditions between +5°C and +30°C	
Shelf Life	12 months if stored as recommended in original unopened packaging	

STANDARD COLOUR(S)



Pure White
(RAL 9010)

Mid Grey
(RAL 7035)



Bronze
(RAL 8014)



Signal Black
(RAL 9071)

SPECIAL COLOUR(S)



Basalt Grey
(RAL 7012)



Wood Beige
(RAL 1001)

CUSTOMISATION

Colour customisation is available upon request.

NOTE: RAL codes are used as a guide only and are not an exact match.
Colours shown on the chart are approximate and may not reflect the shade precisely. Different lighting conditions and screen types can influence colour appearance. For truer colour, please view in daylight. Contact Tremco CPG for more information.