



SG555

Premium Silicone Weather Seal

DESCRIPTION

SG555 is designed for use as a weather seal sealant in applications where a high degree of joint movement is anticipated such as in structurally glazed curtainwall or aluminium cladding. It can also be used as a premium grade sealant in general applications such as expansion joints and external perimeter joints.

BASIC USES

SG555 is a single component neutral curing low modulus silicone sealant with good mechanical resistance and adhesion to most porous and non-porous substrates. It has excellent weathering characteristics and will not stain most common substrates. It has a movement accommodation of +/- 50%.

PACKAGING

300 ml cartridge (25 per case)
500 ml foils (20 per case)

COLOUR

Black, white and mid-grey.

PRIMING

SG555 has excellent primerless adhesion to many typical construction materials. For special situations, or if in doubt, please contact our Tremco CPG APAC Technical Team.

DIRECTIONS FOR USE

Joint Design Considerations:

- Joint width should be minimum 5 mm and maximum 20 mm
- Width to depth ratio of SG555 should be 2:1

Surface Preparations:

- 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.

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.
- Application should be in accordance with local codes of practice for sealing joints.
- 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.

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.). For particularly sensitive substrates, use SG557.

CLEANING

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

WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase of the quantity or Tremco product proved to be defective and Tremco shall not be liable for any loss or damage.

COVERAGE

<i>Width x Depth (mm)</i>	<i>Linear metres per 300 ml Cartridge</i>
6x6	8.3
6 x 10	5.0
10 x 10	3.0
20 x 10	1.5

<i>Fillet Joint Width x Depth (mm)</i>	<i>Linear metres per 300 ml Cartridge</i>
6 x 6	16.7
10 x 10	6.0

<i>Width x Depth (mm)</i>	<i>Linear metres per 500 ml Foil</i>
6 x 6	13.9
6 x 10	8.3
10 x 10	5.0
20 x 10	2.5

<i>Fillet Joint Width x Depth (mm)</i>	<i>Linear metres per 500 ml Foil</i>
6 x 6	27.8
10 x 10	10.0

PROPERTY	TEST METHOD	RESULT
Appearance		Paste
Specific Gravity		1.25 ± 0.02
Shore A Hardness	ASTM D661	24
Staining	ASTM C510	OK
Tack Free Time	at 23°C, 50% RH	< 20 minutes
Cure Time		2 mm/day
Slump		Non-slump type
Tensile Strength	ASTM D412	1.00 N/mm ²
Modulus at 100% Elongation	ASTM D412	0.35 N/mm ²
Elongation at Break	ASTM D412	600% - 700%
Adhesion/Cohesion Under Cyclic Movement	ASTM D709	± 50%
Adhesion in Peel	ASTM D794	27.2 N
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 when stored as recommended in original unopened packaging.	

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