



SG558

Neutral Cure Silicone Weather Seal

DESCRIPTION

A one component sealant for use in applications where a high degree of joint movement is anticipated such as in structurally glazed curtainwall or aluminum cladding. It can also be used as a premium grade sealant in general applications such as expansion joints and external perimeter joints.

BASIC USES

SG558 is a general purpose weather seal sealant designed for use in curtainwalls and facades, perimeter caulking and moving joints.

PACKAGING

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

COLOUR

Traffic White (M), Warm Grey (M), Black (M)

DIRECTIONS FOR USE

Joint Design Considerations:

- Joint width should be maximum 30 mm.
- Sealants should be selected and installed in line with ASTM C1193 Standard Guide for use of Joint sealants.

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.

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.).

CLEAN UP

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.

PROPERTY	TEST METHOD	RESULT
Appearance		Paste
Specific Gravity		1.36 ± 0.02
Shore A Hardness	ASTM C661	20 - 30
Tack Free Time	at 23°C, 50% RH	< 20 minutes
Cure Time		1 - 2 mm/day
Slump		Non-slump type
Tensile Strength	ASTM D412	> 0.90 N/mm ²
Modulus at 100% Elongation	ASTM D412	< 0.40 N/mm ²
Elongation at Break	ASTM D412	> 700%
Adhesion/Cohesion Under Cyclic Movement	ASTM C719	± 50%
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 when stored as recommended in original unopened packaging.	

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