



SG555

Premium Non-Staining 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%.

FEATURES & BENEFITS

- Excellent adhesion to most construction materials
- Non-staining to most common substrates
- Excellent resistance to weathering, ultra-violet radiation, vibration, moisture, ozone, temperature extremes, and airborne pollutants
- Non-slumping
- Good gunnability between +5°C and +40°C
- ASTM C510 – No color change. No staining
- ASTM C1248 – No discoloration. No staining

PACKAGING

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

COLOUR

Traffic White, Casteel Grey, FS Grey, Signal Black

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 maximum 25 mm.
- Width to depth ratio of SG555 should be 2:1
- 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.

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.).

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

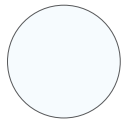
- This product is compliant with ASTM C920 Class 50 Standard Specification for Elastomeric Joint Sealants.
- This product is compliant with ISO 11600G CLASS 25LM (previously known as BS 5889) Standard Specification for Elastomeric Joint Sealants.
- This product is compliant with KS F 4910:2010 Standard Specification for Elastomeric Joint Sealants.
- This product is compliant with Korean Air Cleaning Association SPS KACA 0020-7174– Healthy Building Material. Certificate No: HB 2328E19-02.
- This product is compliant with Low Carbon (LOW CO₂) Footprint accordance to Korea Environmental Technology and Industry Support Act
- VOC < 1.5 g/L (ISO 11890-2); Specific Hazardous substances ie Formaldehyde, APEOs, Halogenetic solvents, BBP, DBP etc – Not detectable (ISO 11890-2)
- This product is compliant with Korea Eco Label – Construction Sealing Material Certificate No: 21790)
- This product is compliant with ANSI Z 124.3:2005 American Standard for Stain Resistance Test
- Dynamic Headspace (DHS) Outgas analysis (DHS GC MSD Method) – suitable for clean room application

WARRANTY

Tremco CPG 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	RESULT
Appearance		Paste
Specific Gravity		1.25 ± 0.02
Shore A Hardness	ASTM C661	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	> 700%
Adhesion/Cohesion Under Cyclic Movement	ASTM C719	± 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.	

STANDARD COLOUR(S)



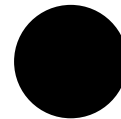
Traffic White
(RAL 9016)



Casteel Grey
(RAL 7042)

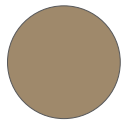


FS Grey
(RAL 7040)



Signal Black
(RAL 9071)

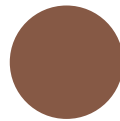
SPECIAL COLOUR(S)



Aluminium Sand
(RAL 1019)



Copper Brown
(RAL 8004)



Wood Brown
(RAL 8003)

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.

To find your local office address and contact details, visit

www.tremcocpg-asiapacific.com

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