SG200 Proglaze II Black

2C SILICONE SEALANT - BLACK

CIC GREEN
PRODUCT CERTIFICATION
CICGPC-L-26202(A&S)

DESCRIPTION

SG200 Black is a high modulus, neutral and elastomeric, two-component silicone sealant. SG200 Black has been specially designed to meet the frame bonding requirements as per the Structural Glazing Application technique.

BASIC USES

SG200 Black is ideally suited for structural glazing applications (SSG). Its use is subject to compliance with the local official procedures in place and compliance with the SSG specifications. It has been specially designed for applications such as in-plant glazing. The relative humidity must not exceed 80% during application.

PACKAGING

Part A: 255 kg drum
Part B: 19 kg pail

FEATURES & BENEFITS

- Two-component
- Neutral mastic, no strong odor
- Excellent adhesion; some substrates may require primer as determined by adhesion testing
- Outstanding resistance to ultraviolet exposure
- Cross-linking rate independent of the seal thickness
- Its quality ensures ease of application and good extrusion rates.

COLOUR

Black

CHEMICAL RESISTANCE

- Excellent resistance to common facade cleaning products.
- Resistant to dilute bases, salt spray and short-term exposure to all common solvents and hydrocarbon-based products (may cause a softening/swelling).

DIRECTIONS FOR USE

Joint Design Considerations:
Structural glazing operations should only be carried out after consultation with Tremco CPG APAC Technical representative.

Compatibility:
The compatibility of any accessory (such as spacer tapes, gaskets, setting blocks, etc.) and related products (such as weather sealing or IG unit perimeter sealant, etc.) must have been tested with SG200 Standard.

Application methods:

- Parts A and B must be used as soon as the packages are opened.
- SG200 Black is compatible with all types of manual and robotic dispensing equipment currently available.
- For Part B, we recommend using a circuit lined with PTFE to minimize moisture penetration.
- Proper Factory Production Control (FPC) is necessary to ensure the quality of the manufacturing process.
- The monitoring of this process is one of the conditions for obtaining the SSG PASS (PASS VEC) in compliance with specification CSTB 3488 v.2.
- Tooling of silicone must be done before the sealant skins.

Frame handling:

- Handling of frames or units with freshly applied material is possible up to 2 hours after application. After this, the glass or frames must not be moved for 24 hours. Stacking of units is prohibited! On-site installations can be carried out from 2 to 3 days after manufacturing.
- FPC and adhesion test results must be reviewed before installation.

Preparation
Surface preparation: Surface preparation must be carried out in accordance with the recommendations of the project suitability tests. Surfaces must be clean, dry and free of grease or finger marks before the mastic is applied.

Substrate cleaning: Substrates such as metals, glass and other materials must be cleaned using a clean tissue soaked in solvent, then using a clean, dry tissue (double tissue technique). Use of MEK or MIBK is recommended for some substrates (such as anodized aluminium, stainless steel) and IPA for other substrates (such as coated aluminium or glass).

Substrate priming: Many substrates may require application of SG010 to optimise adhesion performance.

CLEANING

- Tools must be cleaned immediately after use with IPA or MEK.
- Dry mastic must only be removed mechanically.

SERVICE LIFE

Part A in original unopened packaging: 12 months
Part B in original unopened packaging: 9 months

COMPLIANCE AND APPROVALS

- SG200 Black has the European Technical Assessment (ETA) 05/0005 as well as the CE marking according to the guide EOTA ETAG 002. And it also conforms to ASTM C1184 Standard Specification for Structural Silicone Sealants.
- The product is also certified SNJF-VEC.
- This product has achieved compliance with the Assessment Standard by Construction Industrial Council (CIC) operated by Hong Kong Green Building Council (HKGBC) and is rated as PLATINUM, with certification number CICGPC-L-26202(A&S).

CHARACTERISTICS	STANDARDS	VALUES	
Components		Part A	Part B
Sealant type		Two-component neutral silicone	
Colour		Off-white	Black
Mixing colour		Anthracite	
Specific Gravity		1.33	1.38
		1.34	
Working time		30 to 60 minutes	
Tack-free time		80 minutes	
Ratio by weight		13.0	1
Ratio by volume		10	1
Tolerance ratio (in weight)		Min 11.0	Min. 1
		Max. 14.0	Max. 1
Shore hardness A	EN ISO 868	35	
Tensile stress at break	EN ISO 8339	>1.00 MPa	
Design tensile stress	ETAG 002	0.14 MPa	
Design shear stress under permanent load	ETAG 002	0.007 MPa	
Secant modulus at 12.5% elongation K12.5	EN ISO 8339	>1.4 MPa	
Elongation at break	EN ISO 8339	>200%	
Elastic recovery (after 25% extension over 24 hours)	EN ISO 7389	>95%	
Recommended application temperature		+15°C to +35°C	
Service temperature range		-40°C to +150°C	