



SP523

Hybrid Façade Sealant

DESCRIPTION

SP523 is a one component, non-sagging sealant based on hybrid polymers. This product conforms to the requirements of ASTM 920 including Type S, Grade NS, Class 25, uses: T, NT, M, G, A, O.

BASIC USES

SP523 is recommended for construction sealing such as joints in façades, rain screens and curtain walls; perimeter joints around windows, doors and rooflights; and high movement joints. It can be used for indoor and outdoor applications.

FEATURES & BENEFITS

- Suitable for high heat and humid application conditions
- Good resistance to UV, ageing and weathering
- Fast cure compared to similar products - up to 2.5 mm in the first day
- Movement accommodation factor: 25%
- Low odour and non-corrosive
- Solvent and isocyanate free
- Compatible with most common construction materials
- Can be overpainted with water based paints. Other types of paint should be discussed with the technical department.

PACKAGING

310 ml cartridge (25 per carton)
600 ml sausage (20 per carton)

COLOUR

White, grey, and black. Other colours available on request, subject to minimum order quantity.

LIMITATIONS

Contact with bituminous or tar containing surfaces can lead to discolouring. Application to natural stone substrates is recommended only after appropriate testing. The application on backs of mirrors, plastics that are sensitive to stress cracking and lasting exposure to water or vapour is not recommended. Not suitable for polyethylene, silicone, butyl rubber, neoprene or EPDM.

CLEANING

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

DIRECTIONS FOR USE

Joint Backing

- Closed cell polyethylene is the recommended backing rod material. Care should be taken with open cell polyurethane backing rods due to potential migration of materials or air entrapment.

Priming

- Perform preliminary adhesion tests on critical and unknown surfaces.
- Contact Tremco CPG Technical Services department if you have any questions.

Application

- Apply SP523 equally and free of air bubbles directly out of the cartridge onto the surface or into the joint.
- Tool surface if necessary before skinning.
- If masking tape has been used, remove it immediately after tooling.

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.

Joint dimensions width x depth (mm)	Approximate metres per 310 ml cartridge	Approximate metres per 600 ml sausage
5 x 5	12.4	24
8 x 6	6.4	12.5
10 x 8	3.8	7.5
15 x 10	2	4.0
20 x 12	1.2	2.5
25 x 15	0.8	1.6
30 x 15	0.6	1.3
PROPERTY	TEST METHOD	TYPICAL VALUES
Specific Gravity	DIN 52451-A	1.6
Consistency - 20 mm profile	EN 27390	0 mm, non-sagging
Consistency - 30 mm profile	EN 27390	0 mm, non-sagging
Consistency - 50 mm profile	EN 27390	0 mm, non-sagging
Film Formation Time	Internal	Approx. 35 minutes at 23°C / 50% RH
Cure Rate	Internal	Approx. 2.5 mm /1st day
Modulus @ 100% Elongation	DIN EN ISO 8339	approx. 0.4 N/mm ²
Tensile Strength	DIN 53504 S2	0.7 N/mm ²
Elongation at Break	DIN 53504 S2	Approx. 300%
Complies with ASTM C920, Type S, Grade NS, Class 25, Use NT, M, G, A and O		
Weight Loss	ASTM1246-99	3.1% (max permissible 7%)
Tack Free	ASTM 679-97	62 minutes (max permissible 72 hours)
Shore A	ASTM 661	31 Average (permissible range 25-50)
Movement	ASTM C719	±25%
Tensile Strength	ASTM 412	1.3 N/mm ²
Tensile at 100% Modulus	ASTM 412	0.5 N/mm ²
Max recorded Elongation		504%
Application Temperature		+5°C to +50°C
Service Temperature		-40°C to +90°C
Storage	Store in dry shaded conditions between +5°C and +25°C.	
Shelf Life	12 months if stored as recommended in original unopened packaging.	

To find your local office address and contact details, visit

www.tremcocpg-asiapacific.com

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