



## SP623

### Construction Hybrid Sealant and Adhesive

#### DESCRIPTION

SP623 is a one component, non-sagging sealant based on hybrid polymers.

#### BASIC USES

SP623 is recommended for construction sealing such as joints in façades, rainscreens and curtain walls; perimeter joints around windows, doors and rooflights; It can be used for indoor and outdoor applications. High Shore A allows for use in security/non-pick 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.
- Easy extrusion.

#### PACKAGING

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

#### COLOUR

White, Grey, Black. Other colours available on request, subject to minimum order quantity.

#### STANDARDS

Conforms to ASTM C920, Type S, Grade NS, Class 25

#### CLEANING

For surfaces and tools that are contaminated by SP623, we recommend AT115 or AT200 as cleaner. Totally cured material only can be removed mechanically.

#### DIRECTIONS FOR USE

##### Preparation

- 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.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Clean powder coated surfaces with MEK or IPA. Perform preliminary tests.

##### 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.

##### Priming

- Perform preliminary adhesion tests on critical and unknown surfaces. See adhesion table below more information.

##### Application

- Apply SP623 equally and free of air bubbles directly out of the cartridge onto the surface or into the joint.
- Tool surface if necessary within the film formation time.
- If masking tape has been used remove it right 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	1.58
Consistency – 50 mm profile	EN 27390	0 mm, non-sagging
Shore A	ASTM C661	48 Average (permissible range 30-60)
Movement	ASTM C719	±25%
Tensile Strength	ASTM D412	1.42 N/mm <sup>2</sup>
Tensile at 100% Modulus Stain and colour change Adhesion in Peel	ASTM D412 ASTM C510 Minimum 22N	0.97 N/mm <sup>2</sup> No colour change 96N
Elongation	ASTM D412	200~300%
Application Temperature		+5°C to +50°C
Service Temperature		-40°C to +90°C
Storage	Store in shaded dry storage conditions between +5 °C and + 25 °C.	
Shelf Life	12 months when stored as recommended in original unopened containers.	

SUBSTRATE	PRIMER
ABS	AT150
Acrylic glass (PMMA)	+, (AT150)
Aluminium	+, (AT150)
Brass	+
Concrete	+,
Copper	+
Electrically anodized aluminium	+
Glass	+
Hot dip galvanized steel	+, (AT150)
Iron	+, (AT150)
Polyamide	+, (AT150)
Polyester (reinforced with glass fibres)	+
Polypropylene	AT150
Powder coating	Test for every single case (AT15, AT160)
PVC foil	+, AT150
PVC rigid	+, AT150, AT160, tests are recommended
Sanitary acrylic coloured	+, (AT150)
Stainless steel	+, (AT150)
Tiles back side	AT140

The above recommendations refer to applications with normal weathering load. Due to the numerous possible variations of substrates they only can be used as a first orientation:	
+	no primer necessary
+, ...	tests have shown, that sometimes, but not always primer is needed. This depends on the real loads in the application, the exact composition of the neighbouring components as well as on the structure of the adhesion surfaces. As these influences most times cannot be predicted, we recommend preliminary adhesion tests, if the use of primer is renounced.
-	not recommended on this surface. This is a general rule on substrates like polyethylene, silicone, butyle rubber, Neoprene, EPDM, bituminous or tar containing surfaces

To find your local office address and contact details, visit

[www.tremcocpg-asiapacific.com](http://www.tremcocpg-asiapacific.com)

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