

TECHNICAL DATA SHEET

STOPGAP 1

PU Hybrid Paintable Sealant

PRODUCT DESCRIPTION

STOPGAP 1 is a high-modulus, paintable, neutral-cure, non-bleeding PU hybrid sealant. It is gunnable and reacts with moisture in the atmosphere to form a permanently flexible sealant.

CUSTOMER BENEFITS:

- Non-bleeding
- UV resistant
- Paintable
- Non-corrosive
- Solvent-free
- Virtually odorless
- Rapid curing
- Isocyanate-free
- Phthalate-free
- Tack-free and highly elastic after curing
- Stable at temperatures from -40 to +90°C
- Excellent adhesion to different substrates even without primer

RECOMMENDED FOR / AREAS OF APPLICATION:

- Aluminum composite panels
- Precast concrete panels
- On-site concrete
- Claddings
- Panel roofing
- Brick and blockwork
- Marble granite, and GRC facades
- Crack-free, paintable connection joints
- For stress-relieving bonding and fixation
- Termination of wall and beam
- Termination of wall and column

INSTRUCTION FOR USE

SURFACE PREPARATION

The substrate should be dry and clean. Remove oil, grease, and loose particles. For concrete surfaces, grind all weak parts of the joint and clean it off with compressed air. Leave at least a 5 mm allowance for the application of **STOPGAP 1**.

Note: **STOPGAP 1** should be applied at a thickness of 5 mm deep and 5 mm wide to achieve optimum results.

APPLICATION

FOR ALUMINUM COMPOSITE PANEL

For panels with at least 10 mm thickness, a backing rod should be placed in the base of the joint approximately 5 mm deep, ensuring that the sealant bonds only to the sides of the joint. For panels below 10 mm thickness, a debonding tape is recommended. Apply **STOPGAP 1** on top of the backer rod or debonding tape. You can use **STOPGAP SMOOTH** to achieve a smooth, even finish.

FOR PRECAST CONCRETE

A backing rod should be placed into the base of the joint approximately 5 mm deep, ensuring that the sealant bonds only to the sides of the joint. Alternatively, a debonding tape can be used at the base before the application of **STOPGAP 1**. Apply **STOPGAP 1** on top of the backer rod or debonding tape. You can use **STOPGAP SMOOTH** to achieve a smooth, even finish.

RESTRICTIONS

STOPGAP 1 is not suitable for glass glazing applications involving pronounced UV exposure. Prior to its use on marble or natural stone, **STOPGAP 1** should be tested for edge discoloration.

PHYSICAL PROPERTIES/ TECHNICAL DATA:

Color	White
Density	1.51±0.2 g/cm ³
Hardness, Shore A	25
Temperate Resistance	-40 to +90°C
Skin-forming time @23°C 50%RH	20 – 40 min.
Elongation at break	550%
Tensile strength	1.1 N/mm ²
UV resistance	Excellent
Resistance to water	Good
Curing time	7 to 14 days

PACKAGING

STOPGAP 1 is available in 600mL aluminum sausage and 270mL cartridges.

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COVERAGE/ ESTIMATING DATA / CONSUMPTION

Width	Depth	Coverage (270mL)*	Coverage (600mL)*
6 mm	6 mm	6.82 m	15.15 m
10 mm	10 mm	2.45 m	5.45 m
20 mm	10 mm	1.23 m	2.73 m
25 mm	12 mm	0.82 m	1.82 m

* The coverage area figures shown above are approximate linear meter runs based on a 10% wastage assumption. Actual coverage areas may vary.

Calculation formula:

$$X / (Y \times Z \times 1.1) = \text{Coverage}$$

X = Volume (mL) of cartridge or sausage

Y = Joint width (mm)

Z = Joint depth (mm)

1.1 = wastage assumption

Coverage = linear meter (m) per cartridge or sausage

STORAGE AND HANDLING

The shelf life of **STOPGAP 1** is 12 months if kept in unopened and undamaged packaging. The product must be kept unopened and stored under cool storage conditions to prevent surface evaporation. It should be protected from direct sunlight.

PRECAUTIONS

HEALTH AND SAFETY

STOPGAP 1 is non-hazardous and non-toxic. Avoid any prolonged skin and eye contact by wearing suitable protective clothing.

Masking tapes can be placed over the joints' sides and removed immediately after tooling.

Refer to the Safety Data Sheet (SDS) for complete safety information on handling the product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.

STOPGAP 1
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