

## TECHNICAL DATA SHEET

# APAGAR PU SEALANT

(Acrylic Sealant)

### DESCRIPTION:

APAGAR PU Sealant is a one component, high performance sealant based on Hybrid high performance sealant based on Hybrid Polyurethane Technology. It is Solvent, Silicone & Isocyanate Free & Non- staining for natural stones applications. having an excellent UV, weather & temperature resistance. It has excellent adhesion over a wide variety of substrates & is paintable with most common industrial paints.

### CHARACTERISTICS:

- Non-Staining including Hydrophobic staining.
- Good primer less adhesion on many common construction substrates.
- Damp surface tolerant.
- Low dirt picks up. Excellent adhesion to a wide variety of substrates
- High movement accommodation
- High UV & aggressive atmosphere resistance
- Comprehensive color range
- Environmental friendly
- Excellent low temperature gun ability
- Improved gun & tooling characteristics
- Ideal for expansion joints in buildings

### SURFACE PREPARATION:

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. APAGAR PU Sealant adheres without primers and/or activators. However, for optimum adhesion and critical, high-performance applications, such as on multi-story buildings, highly stressed joints, extreme weather exposure or water immersion.

### TECHNICAL PROPERTIES:

PROPERTIES	RESULTS
Color	Grey, Black, White Other color on request
Chemical base	Hybrid technology Polyurethane
Appearance	Non-Sag Smooth Thixotropic paste
Cure System	Moisture Curing
Skin Over Time	25 - 40 min
Tack free time	15 - 30 min
Density [g/cc]	1.35 to 1.45 g/ml
Shore A Hardness	Approx. 20 - 30
Tensile Strength	Approx. 1 MPA
Service Temperature	-30°C to 100°C
Application temperature	+5°C to 40°C
Elongation at Break	Approx 700 %
Movement Accommodation Factor ( MFA)	25%

It will not readily ignite when exposed to flame, hence it does not constitute a fire hazard (ASTM E84)

### COVERAGE:

Joint size (2:1mm)	Estimate Length (m)
6 x 3 (mm)	33.33 (m)
10 x 5 (mm)	12 (m)
20 x 10 (mm)	3 (m)

The coverage is approximate linear meter coverage per pack size (600ml) Formula:  $600 / (W \times D)$  where W = Width (mm) D = Depth (mm) L = Length (meter)

MADE IN INDIA

Office Address: Office No. 201, Building No. 12, HDIL Industrial Park, Virar East – 401305

Email: - info@apagar.net, Mobile No: +91 9987109117,

Branches: Mumbai & Hyderabad, Website: www.apagar.in

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## APPLICATION:

Cut tip of cartridge/ sausage with a sharp knife. Cut nozzle at 45° angle to desire bead-width & apply to substrate with cartridge / sausage gun. Firmly extrude the sealant into slot ensuring complete contact with joint faces. The sealant should be tooled shortly after application before skin forms to ensure good contact with joint substrates. Use approved backing material for joints over 10mm deep. Uncured sealant can be cleaned up with mineral spirits.

## LIMITATIONS:

- APAGAR PU Sealant should not be used for: areas subject to continuous chlorinated water immersion, such as swimming pools, spa etc.
- Constant immersed in salt water.
- PE, PP, Teflon, Neoprene & bituminous surfaces.
- glazing applications
- Painted with alkyd resin paint because it will inhibit the curing of the paint
- Used in trafficable joints greater than 10mm width APAGAR PU Sealant may be over- painted with water-based paints, however due to the large number of coatings available, it is advisable to carry out a compatibility test before application. For alkyd paints a suitable water-based undercoat must be used.

## HEALTH & SAFETY:

Keep out of reach from children. Before handling, read both the product and material safety data sheet for detailed use and health information.

## SHELF LIFE:

12 months from date of manufacturing in unopened packaging stored in a cool and dry place at recommend temperature between +5°C to 25°C conditions.

## STANDARDS:

APAGAR PU Sealant complies with the Requirement

- ASTM C 920
- ISO 9001& ISO 14001
- ISO 9001: 2015
- ISO 14001: 2015
- IFTF 16949: 2016

## STORAGE:

Store in a cool, dry place. away from direct sunlight and moisture. Storage temperature to be below 25°C

## PACKING:

APAGAR PU Sealant is supplied in 600ml Al foil sausage packed in box of 20 pcs & 310ml plastic cartridge packed in box of 25 pcs.

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