

PRODUCT DATA SHEET

SUMERU UNIFIL

Product Description:

SUMERU UNIFIL is hybrid multipurpose sealant for all type of application filler like crack, groove & gap used for internal, external and also for vertical and horizontal surface. Excellent adhesion substrate both for different type of material. Also to waterproof the non-moving crack, groove & gap in construction work.

Area of Application:

- Plaster concrete stone for both internal & external substrate.
- All type of tiles, ceramic, vitrified, glass mosaic, sanitary wear.
- Gypsum board, dry wall, precast wall, POP work.
- All type of roof sheet, pipe sealing, ducts/ventilation system.
- Used in different type of material for gap filling like metal, glass, most of plastic & cement-based product.
- Can be applied on damp surfaces but not on cracks with running water.
- For non-moving cracks up to 5-6 mm wide in plasters and walls.

Features & Benefits:

- Paste form, easy to apply and excellent adhesion.
- Hair line cracks should be opened at least 1 mm for ease of application.
- For waterproofing both internal and external surfaces.
- Non-staining permanently paintable all types of paint.
- Low-shrink, self-curing & excellent adhesion.
- U.V. resistant and suitable for all type of application in exterior work.
- Different type of material like plaster, concrete stone all type of tiles, gypsum board, drywall, precast wall, masonry metal glass, plastic and many more substrate.

Surface preparation

- The surface should be clean and dry, homogeneous, free from oils and grease, dust, loose or friable particles.
- Cement particles must be removed.
- Paint, Laitance & other poorly adhering particles must be removed.
- Standard construction rules must be observed.

Application Method:

- Fine hair line cracks must be widened up to 1 mm minimum and then filled with 'V' groove.
- Existing POP wall putty must be removed till plaster surface should be exposed, for filling SUMERU UNIFIL on the internal surface.
- Fill SUMERU UNIFIL when the surface is sticky and not dried completely.
- Press SUMERU UNIFIL firmly into the cracks with a spatula or putty knife and level with the surface.
- Take care to avoid the formation of cavities or bubbles during application.
- Allow it to set for 24 hours and then apply another coat of SUMERU UNIFIL paste in case of sag or depression.
- Once it is fully dry further POP or wall putty application can be taken up.
- For best results allow SUMERU UNIFIL paste to cure for 7 days.

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Consumption:

- Consumption 1 kg covers 40-50 m (for a length of 1m, and joint size 6 mm x 6 mm average).

Precautions:

- Pre-test for printability and paint compatibility are recommended.
- Colour deviations may occur due to chemicals, high temperature, U.V radiation change in colour does not influence the technical and protective performance of the product.
- Not suitable for cracks in structural load bearing membrane, lintel beam.

Technical information :

<u>Properties</u>	<u>Test values as per specifications</u>
Colours	White paste
Chemical base	Hybrid Polymer
Specific gravity	1.50 +/- 0.01
Skinning time	30 minutes (+25°C)
Curing time	3mm/24 hrs. (+25°C)
Movement capability	12 to 15%
Service temperature	+5°C to +50°C
Water absorption (% by mass)	< 10% (According to ASTM D570)
Full curing time	7 days at (+25°C)

Packing: 300 ml cartridge, 360 gms pouch and 1 Kg Pouch

Storage shelf life: Shelf life is 18 months from the date of manufacturing. Store in a cool & dry place protect from direct sunlight and frost.

Health & Safety measures:

For more information and guidance of safety, storage and disposal of chemical products, customers should refer to the updated data sheet of the product which contains all the details of physical toxicological, ecological and other safety related data.

Important Notes:

The information and in particular, the recommendations relating to the application and end - use of Sumeru products, are given in good faith based on Sumeru's current knowledge and experience. The user of the product must test product's suitability for the intended application and purpose.

Sumeru reserves the right to change the properties of its products. Users must always refer to the most issue of the local product data sheet for the product concerned, copies of which will be supplied on request.



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