

SUMERU UNIGUARD

Micro Fibre Reinforced Flexible Coating

Product Description:

Sumeru Uniguard is a fibre reinforced elastomeric liquid applied water proofing membrane. It is formulated with selected elastomeric and resilient acrylic polymers and reinforcing polypropylene fibres.

Heat reflecting cum temperature reducing coating system. This coating combines the multiple benefits of single product.

Area of Applications:

- Suitable for all exposed areas.
- Roof slabs, parapet, Ips, sound brick-bat coba.
- Sunshades Cementous water proofing.
- Suitable surface preparation and repairs.
- RCC/asbestos/lime terraced roofs.
- Can be used as exterior coating for PVC water tanks exposed to direct sunlight on roofs, balconies, etc. to keep the inside water temperature relatively cooler.
- For further reinforcement use glass fibre mesh on joints, drainpipe, corners or on any cracks.

Features & Benefits:

- Waterproofing protection up to 7 bars hydrostatic pressure.
- Reinforced with glass fibres for superior abrasion resistance.
- Reduces carbon dioxide and chloride in diffusion and thus protecting re-bars against corrosion.
- High shine, sparkling white colour and thick coat results and high levels of heat reflectance.
- Algae and fungi resistant.
- Cross linking polymer gives excellent weather resistance and enhances service life.
- Excellent adhesion to concrete, brickwork, corrugated asbestos, asbestos cement sheet and metal decks.
- Ultra violet rays and weather resistant.
- Crack bridging due to elastomeric.
- No Protective screed required for normal Foot Traffic.

Surface Preparation:

All Supporting surfaces shall be structurally sound solid stable, dry completely cured level. All uneven surfaces should be properly treated by suitable sumeru material to get a plain surface. Existing coating/membranes have to be inspected clear and mechanical ground to achieve a sound, gripping substrate.

In case of bad adhesion to the substrate existing coatings have to be removed. They shall be clean and free of oil, dust, grease, paint, tar substance and debris which may prevent or reduce adhesion respect on structural fractionizing & perimeter joints present in the surfaces.

Unique and Simple Solution

SUMERUTM

PRODUCT DATA SHEET

SUMERU UNIGUARD

Micro Fibre Reinforced Flexible Coating

Application Method:

Sumeru Uniguard is ready to use in a single component. Stir thoroughly using a conventional paint stirrer prior to application.

Horizontal Application:

- Apply primer coat in the ratio of three part of Sumeru Uniguard & one part of water.
- Apply Two coats of Sumeru Uniguard without dilution second coat at 90 °to first coat.
- Duration between two coats should be 4-6 hours.
- For best result on Terrace, apply Sumeru Uniguard to Parapet level including entire roof.

Vertical Application: - (New surface)

- One primer coat in the ratio of three part of Sumeru Uniguard & one part of water.
- Second coat of Sumeru Uniguard is without dilution.
- Coverage on vertical surface with one primer & one top coat is 25 sq.ft./ltr.

Re-Painting:

On previously painted surface apply only one coat of Sumeru Uniguard with coverage of 35-40 sq. ft./ltr. Exterior paints can also be applicable on Sumeru Uniguard.

For colour Sumeru Uniguard can be stained with good quality strainer for light shades. Colour shade are recommended on site trials before application.

Product Data :

Standards : Conforms to : IS 101, IS 2645, EN 1542, ASTM D-5589, ASTM D-5590
ASTM C-1202-08, ASTM D-4587, ASTM C-836, ASTM E-1980, EN-973, EN-410

Consumption:

- For horizontal consumption 1 ltr/10 sq. ft. on terrace.
- For Vertical consumption 1 ltr/20-25 sq.ft. on wall.

Precautions:

- Do not apply during rains or extreme temperatures.
- Avoid misuses which may lead to puncturing of membrane.
- Ensure that the product is applied at least 6 inches inside the drainpipe.
- For best results, apply parapet to parapet to envelope the entire building.

Unique and Simple Solution

SUMERUTM

PRODUCT DATA SHEET

SUMERU UNIGUARD

Micro Fibre Reinforced Flexible Coating

Technical Information:

Film Thickness 340 -360 microns (DFT) per coat, minimum three coats recommended for optimum performance.

<u>Properties</u>	<u>Test values as per specifications</u>
Solid Content	~ 76 % (by weight)
VOC	< 10 gm/l
Adhesion Strength on cement after 14 days curing	> 1.7 N/mm
Tensile Strength	1.2 MPa
Crack bridging properties	2 mm
Elongation at Break (%)	250-300%
Algae resistance test	No growth
Mix Density	1.30

Packaging: Sumeru Uniguard : 1 lit, 4 lit, 20 lit.

Shelf life: Best before 36 months if stored properly in undamaged and unopened original sealed packaging.

Storage Conditions: cool and dry conditions.

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.

Address: 77-78, Pushkar Industrial & Logistics Park,
B/h. Satyam Mall, Nr. Shivam – 4,
Sarkhej Bavla Road, Changodar,
Ahmedabad-382210.

Helpline Number : 09512909819
E-mail : sumeru.us@gmail.com



Unique and Simple Solution

SUMERU™