

COLOR MEMBRANE EZEE

FIBER REINFORCED ACRYLIC WATERPROOF COATING

DESCRIPTION

COLOR MEMBRANE EZEE is an elastomeric waterproof coating that provides a seamless and tough waterproof barrier with excellent crack bridging ability that can accommodate movements due to variations accruing in the substrate when waterproofing system is done.

FEATURES & ADVANTAGES

Waterproofing	Provides excellent water resistant barrier on roof / terrace
Tough and abrasion resistant	Suitable for light foot traffic
Highly durable and light weight	UV resistant and needs no extra protective screed
Flexible and elastic	Accommodates movements in waterproofing system and Covers and bridges hairline cracks
Easy to apply	No need to remove the existing system. Can be brush or roller applied on vertical surfaces without sagging.
Anti carbonation	Reduces carbon dioxide and chloride ion diffusion thus protecting re-bars against corrosion.
Adhesion	Strong adhesion to masonry substrates.

TYPICAL CHARACTERISTICS

Parameters	Std	Color Membrane Ezee
Appearance & Nature		White Thick Liquid
Solid Content	ISO 101	Min. 55 %
Elongation	ASTM D 412	Min. 200%
Adhesion Strength	ASTM D 4541	Min. 1.0 N/mm ²
Water Absorption (% by Mass)	ASTM D570	Max. 7 %
Solar direct reflectance	ASTM E1980	99
Tensile Strength	ASTM D 412	Min. 1.0 N/mm ²
Hydrostatic Pressure	DIN 1048	7 Bar Passes
Crack Bridge properties	ASTM C-836	Up to 2 mm
Algae & Fungal Growth	ASTM D -5590	Passes
Water permeability	DIN 1048	Passes
Accelerated weathering, 500 hours	ASTM D 4587	No cracking , no blister & No Fading
Water Ponding Test (72 hrs)		Passes
Resistance to standing water		Passes
Std & Test Method		IS-101, ASTM D-412, ASTM D-570, ASTM D 5590, ASTM C 836, ASTM E1980, ASTM D 4541, ASTM D 4587

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TYPICAL APPLICATIONS

- Building Roofs/Terraces – Flat, Sloppy & vertical surface.
- Over the existing cementitious waterproofing treatments like sound brick-bat coba, concrete screeds, acrylic coatings, etc.

METHOD OF APPLICATION

SURFACE PREPARATION

1. Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles.
2. Ensure that the roof slope is a minimum of 1 in 100 to enable water run off. In existing old terraces such as brick-bat-coba or screeds, the substrate must be checked for its soundness. Damaged or hollow portions, sharp edges, etc. must be cut and repaired with a polymer-modified mortar using Mastercrete URP-6.
3. Bitumen based waterproofing treatments must be completely removed by mechanical scarification or by any other effective mechanical means.

APPLICATION

1. Apply one coat of Choksey's water base primer Sealer Coat at the rate of 90-110 sq. ft. /liter. Allow it to dry for 2-3 hours.
2. Apply the first coat of Color Membrane Ezee at the rate of 1.9 to 2.0 sq.mt./kg and allow it to dry before taking up the second coat, the rate of application being the same. This would ensure correct consumption of material that will deliver a total DFT of 500 – 600 micron.
3. Minimum drying time between coats will be 4 to 6 hours.
4. Allow the system to air cure for 7 days minimum.

COVERAGE

1.9 – 2.0 sq. mt./kg/coat (Two coats are recommended to achieve 0.5 mm DFT).

CLEANING OF TOOLS & EQUIPMENTS

Clean tools immediately after use with water.

STORAGE AND SHELF LIFE

Shelf life is 36 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

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PACKING

4 Kgs & 20 kg

HEALTH & SAFETY

Skin Contact: Wash skin with soap & water. Remove contaminated clothes.

On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.

Ingestion: It is based on Water Based Coating system, however, seek

PRECAUTIONS & LIMITATIONS

All corners, gaps, joints, protrusions & outlets shall be coated with extra coat.

Do not apply during rains. Substrate MUST be in SSD condition for application of primer.

The product is designed only for foot traffic and not vehicular or movement of machinery or equipment's.

To achieve the full proof waterproofing, all parapet walls should be covered with Color Membrane Ezee.

All walls to floor joints must be provided with proper angle fillets prepared with polymer modified mortar using Mastercrete URP.

If the surface has excess moisture then there is possibility of blister formation in case of all liquid applied membrane coatings.

DISCLAIMER

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.