

JPL TERRASHIELD FINE

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A flexible, crack bridging paintable plaster for seamless, crack-resistant, waterproof finishes.



TECHNICAL ADVANTAGES

- Crack - Resistant
- Crack Bridging & Flexible
- Fire Retardent
- Cost & Time Efficient
- Eco-Friendly
- Ready-to-Use
- No Curing
- Paintable Properties
- Anti-Fungal

PACKAGE AVAILABLE

Shelf Life - 12 Months

Color - White



20 KG Bag



30 Kg Bucket

APPLICATION PROCEDURE

Procedure to follow for Application:

- Apply the first coat of Terrashield & allow it to dry for at least 6 to 8 hours.
- Apply 45 GSM Nylon Mesh while the first coat is wet
- Apply the second coat of Terrashield with a roller or a trowel.
- Remove the excess material with emery paper (no. 320) by light sanding vertically and horizontally to get a smooth, seamless surface.
- The surface is ready to be painted within 96 hours after completion of the second coat.

NOTE:

- First fill cracks, then apply wall coatings.
- For AAC Blocks and precast panels with a width of less than or equal to 2 ft., embed a 45 GSM nylon mesh across the surface between the first & second coat while the first coat surface is wet.
- On Dry Wall Joints/Pre-cast Joints/ Construction Joints in Mivan embed a 45 GSM mesh with a maximum 150 mm width on the joints covering the joint area completely, between the first coat & second coat while the first coat surface is wet.
- On AAC Blocks, Drywall Pre-cast joints, etc., the mesh must be terminated on the ceiling up to 100 mm (only if the joint terminates at ceiling level).
- Overlapping of the mesh must be avoided on the vertical joints of the mesh.
- On all corners and joints of walls, beams, columns and ceiling, the mesh has to be overlapped to a width of at least 100 mm.
- Only Premium Emulsion must be used for the interiors over Terrashield, and only Anti-Fungal Emulsion must be used for the exteriors over Terrashield where the sub-sub-strate is of AAC Blocks, whether plastered with Gypsum or sand-cement mortar (Interiors or Exteriors) or Dry Walls or Walls with joints.
- On other substrate surfaces, such as MIVAN, RCC, and Cement Plastered (on Mivan/Red Bricks), you may use any paint over Terrashield. Paints may include OBD, Internal/External Emulsion, Premium Emulsions, etc.
- The JPL Terrashield Fine properties are such that after application, the material may sink or form bubbles, which may lead to slight 0.5 -1mm undulations on the surface. Sinking is due to the increment of cracks in the substrate or the sub-substrate. Bubbling is due to the trapped air expanding. This does not constitute product failure. Note: In the above-mentioned event, JPL Terrashield Fine is to be applied again only on the localized areas.
- Breaking of 45 GSM nylon mesh does not constitute product failure, but signifies other serious structural and/or construction issues.

NABL TEST RESULTS

Carried out as per ASTM Standards by SriRam and Eurofin Labs

Class 1 or A	Fire Retardant Surface rating
3.2 MPA	Compressive Strength
5.8 MPA	Tensile Strength
1.9 MPA	Flexural Strength
24.3% Absorption	after submerged for 24hrs.
1.0 MPA	Pull of Strength
0.97 (mm) No cracking	Crack Bridging Test

COVERAGE

DESCRIPTION	MAX. THICKNESS	AREA IN SQ.FT
Coarse Cement Plastered	2.00 mm	80 - 100
Fine Sand Plastered	2.00 mm	100 - 120
Gypsum Plastered	2.00 mm	150 - 175
RCC Ceiling Surface without Mesh only rendering	2.00 mm	140 - 175
RCC Wall	2.00 mm	140 - 175

TECHNICAL DETAILS

Colour	Off White
viscosity with 50% water at 27°C	20 Sec
Weight/litre	1.70 kg/ltr
Solid	74%
Surface Drying	40 Minutes
Ph	7-8
Recoatability	After 4 hrs
Finish	Smooth & Matt
Settling	Nill
Best Before	18 Month from the date of manufacturing
Function	Finishing plaster for seamless, crack-resistant walls
Type	Crack Bridging Paintable Plaster
Application Thickness	1 – 2 mm
Primary Use	Surface refinement before painting

TECHNICAL DETAILS

Surface Compatibility	AAC, Mivan, RCC, Precast, POP, Cement, Gypsum
Waterproofing Role	Hydrophobic paintable film
Crack Resistance	Absorbs surface-level expansion
Paint Compatibility	Premium & Anti-Fungal Emulsions
45 GSM Nylon Mesh Usage	Recommended for joints and weak surfaces (in ceilings mesh not required)
Ready-to-Use	Yes
Drying Time Before Painting	96 hours
Coverage (per 20 kg)	80 - 175 sq. ft. (surface-dependent)
Interior & Exterior Use	Yes
Viscosity with water 2:1	17 secs
Pot Life	6 hours
Volatility of Chemicals Detection Test for presence of 28 Carcinogenic Chemicals	Absent
Flame Spread and smoke developed Index (Test ASTM E84-2021 Standard test method for surface burning characteristics)	Class 1 as per IBC
Chloride, CO2, SO2, NO2, Methane Test	No Gas is present in sample, indicating that the sample acceptable (BQL - Below Quantification Limit)