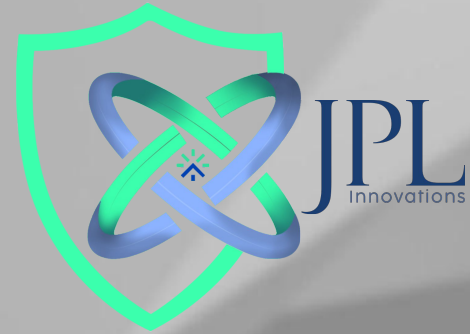


Terrashield Fine: Surface system on Gypsum Plaster

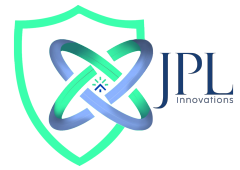


JPL Innovations. Pvt. Ltd.

jplinnovations.com



Why Traditional Solutions Fall Short



In today's fast-paced construction environment, time, quality, and consistency are non-negotiable. Yet, traditional plasters and bonding methods continue to fall behind, leading to:

1. Cracks and Seepage:

Due to no elasticity and inadequate surface bonding

2. Delays in Finishing:

From multi-step applications and extended drying times

3. Wastage and Rework

Caused by material inconsistency and surface undulations

4. Weak Adhesion

On modern substrates like AAC blocks, Mivan, and precast panels

5. High Maintenance Costs

From recurring issues like joint failures and surface delamination



Terrashield Fine

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





Terrashield Fine - Provides a seamless (almost marble like finish) and applied upto 2mm thickness

1. Applied with 45 gsm nylon mesh on AAC blockwork, mesh not required for RCC surface only joints and not required on Mivan
2. Water resistant surface (only absorbs 24% water when submerged in water for 24 hours)
3. **Class 1 or A Fire retardant**, ie no flame spread as per ASTM standards.
4. After 2 coats of Terrashield Fine, you can directly paint with premium emulsions (**No putty, Primer and sanding required**)

Technical Advantages

1. **Crack - Resistant** - Ideal for surfaces prone to thermal or structural stress
2. **Elastomeric & Flexible** - Absorbs micro-movements in substrates without cracking
3. **Fire Retardant** - Provides enhance safety with built in fire retardant properties, reducing flame spread and smoke generation
4. **Cost & Time Efficient** - No Putty, Priming & Sanding Required
5. **Eco-Friendly** - Contributes to IGBC, GRIHA and LEED green building certifications by eliminating ecologically harmful river sand.
6. **Ready-to-Use** - No site mixing, minimal material wastage
7. **No Curing** - No water needs to be sprayed, no protective covering is needed ie product sets and hardens itself.
8. **Paintable Properties** - Smooth, blemish-free surface compatible with premium emulsions or Texture Paint on exterior
9. **Anti-Fungal** - Prevents surface deterioration in damp conditions



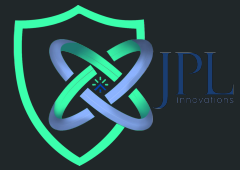
NABL Test Results

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
-

Application Procedure

1. Identify the Cracks
2. Identify the cracks and cut them open.
3. Fill the cracks by using TF first coat with blade.
4. After dry (minimum 4 Hours) Check the crack surfaces wherever uneven filling one more coat with TF along the horizontal length of the crack, this is due to sinking of material to fill the depth of the crack due to elastomeric properties of the material and impregnation technology.
5. Applying TF on full surface by using trowel First coat with 45 Gsm fiber mesh embedded on top of the 1st coat.
6. After drying 4-6 hours minimum applying Second coat of TF.
7. Once surface is dry, Light rubbing with No.320 Emery paper where required before painting with premium emulsion.



1.



2.



3, 4, 5

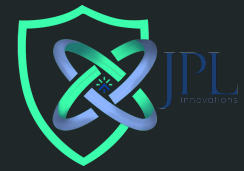
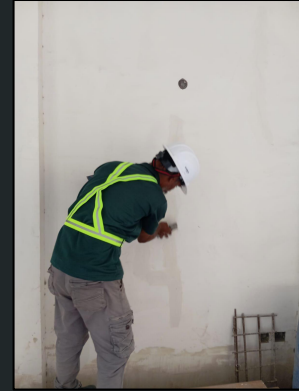


Application Procedure on Cement Plaster

1. Applying TF by using trowel First coat with 45 Gsm fiber mesh.
2. After drying 4-6 hours minimum applying Second coat of TF.
3. Once surface is dry, Light rubbing with No.320 Emery paper where required before painting with premium emulsion.

Godrej Nature Plus Crack Filling

1. Identify the Cracks
2. Identify the cracks and cut them open.
3. Fill the cracks by using TF first coat with blade.
4. After dry (minimum 4 Hours) Check the crack surfaces wherever uneven filling one more coat with TF along the horizontal length of the crack, this is due to sinking of material to fill the depth of the crack due to elastomeric properties of the material and impregnation technology.



APPLICATION UTILITY AREAS



Ideal for:

- Levelling and finishing walls post-jointing/taping
- Reinforcing weak or cracked surfaces
- Creating a paintable skin over Mivan, AAC, and precast structures
- Both interior and exterior applications in residential, commercial, and industrial projects

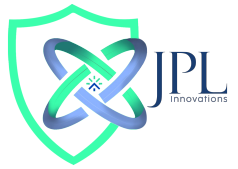
Recommended On:

- Cement Plastered Surface
- Gypsum Surfaces
- RCC Walls & Ceilings
- Precast Concrete Panels
- Mivan Formwork
- Cement Boards & Calcium Silicate Boards
- Drywall Partitions

Coverage

TERRASHIELD FINE

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



Key Takeaways - Why USE TF

- Crack Resistant, Fire retardant, Elastomeric and Directly paintable
- Do it right the first time and save maintenance/rework costs (backed by the product performance guarantee)
- Reduce wastage caused by on site water mixing and avoid inconsistency in mixing ratio
- No water needs to be sprayed, no protective covering is needed ie product sets and hardens itself.
- Smooth, blemish-free surface compatible with premium emulsions or Texture on exterior
- Prevents surface deterioration in damp conditions and is anti-fungal

1. What makes Terrashield products different from traditional plaster and adhesives?

Terrashield products are elastomeric, ready-to-use, water-repellent, and engineered to absorb structural movement. Unlike conventional plasters or sand-cement mixes, they provide crack resistance, a consistent finish, and faster application without on-site blending.

2. Can Terrashield Fine or Coarse be used directly on AAC blocks or Mivan surfaces without hacking or bonding agents?

Yes. Both Terrashield Fine and Coarse are designed for direct application on AAC, Mivan, and RCC surfaces without hacking or bonding coats. Just ensure the surface is clean, stable, and dry before application.

3. Does mesh reinforcement always need to be used?

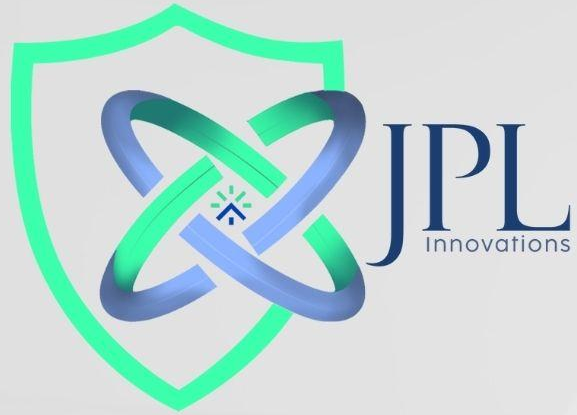
Mesh is essential in high-stress areas like joints, corners, and partitions (especially on AAC, precast, joints and drywall). For uninterrupted RCC or cement surfaces, mesh is optional but recommended if there's a risk of thermal expansion or movement where there are joints.

4. Can these products be used during monsoons or high-humidity conditions?

Yes. Terrashield Fine forms a water-resistant film within an hour of application. While heavy rainfall should be avoided during application, light humidity won't affect performance. Proper drying intervals must still be followed.

5. Which paint should I use after applying Terrashield Fine or Coarse?

- Interiors: Use Premium Emulsion or Washable Paints
- Exteriors: Always use Anti-Fungal Premium Emulsions
- On AAC blocks, drywall, or gypsum substrates, avoid low-grade paints.



... Still Have Questions?

We're here to help. Contact our technical team for live demonstrations, custom training, or product support.

✉ Email us at: projects@jplindia.com |

🌐 Visit: jplinnovations.com | 📞 Call us at: +91 9650060448, +911147077520

Head Office Address: 206, Avalon Apartment, 2nd Floor, New Manglapuri, Mehrauli (Near Chattarpur Metro Station, Opp. Metro Pillar No. 46), New Delhi-110030

Factory Address: Bhiwadi, Rajasthan

Haryana | Maharashtra | Tamil Nadu | Karnataka | Kerala | Hyderabad

