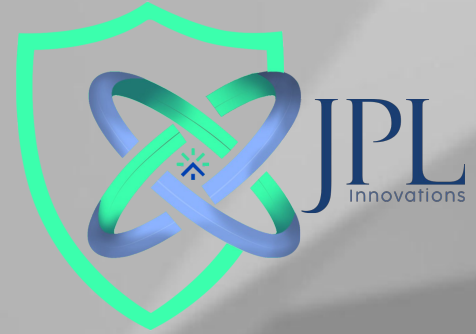


# JPL Terrashield Solutions (Interior and Exterior Mivan)



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JPL Innovations. Pvt. Ltd.

[jplinnovations.com](http://jplinnovations.com)



**bmtpc**

[www.bmtpc.org](http://www.bmtpc.org)

# JPL Terrashield Surface Systems



Top coat/ final finish before paint  
(pre-mixed paste form, no water mixing/  
ready to use):



Base layer (pre-mixed paste form, no  
water mixing/ ready to use):

## **JPL Terrashield Coarse** - A uniform, flexible coating layer across the entire substrate



applied 4-6mm thickness

1. Serves as a strong base layering surface on top of the substrate
2. High tensile strength (7.5 MPA, for comparison Gypsum plaster is 2.3-4.6 MPA).
3. Flexural strength of 5.1 Mpa, accommodates lateral movements and temperature fluctuations that allow for the surface to flex or stretch, resisting cracks. Gypsum plaster average of 3.5 MPA.

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

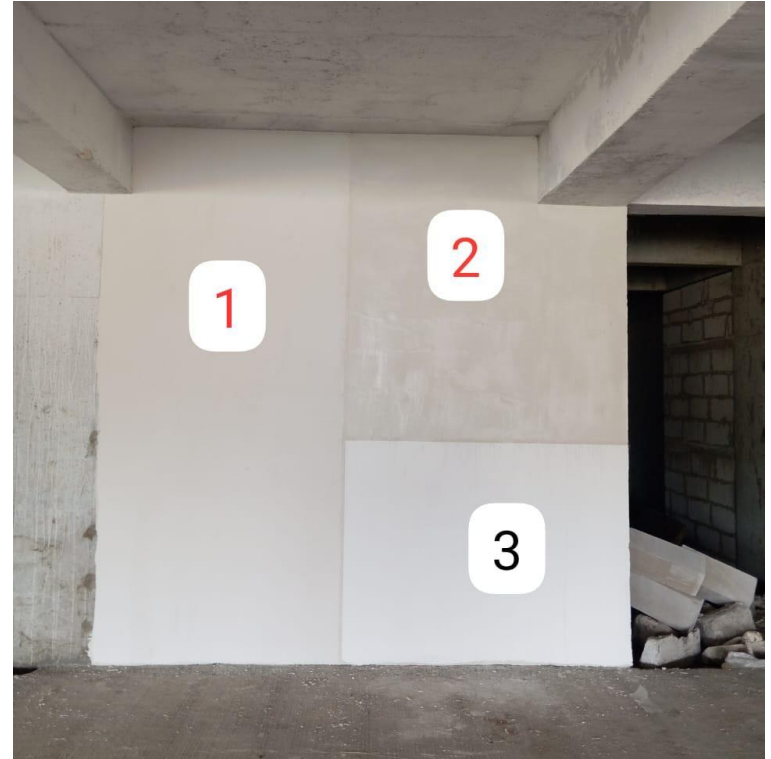
1. Applied with 45 gsm nylon mesh on AAC blockwork, mesh not required for RCC surface only joints and not required on Mivan
2. Water resistant surface (only absorbs 24% water when submerged in water for 24 hours)
3. **Class 1 or A Fire retardant**, ie no flame spread as per ASTM standards.
4. After 2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

**Note: Terrashield Coarse and Fine are made up of a similar composition, only noticeable difference is the granular thickness of Coarse is bigger than of Fine allowing for a thicker application coating.**

# Sample on AAC Blockwork (basement floor)

The substrate showed undulations upto 12mm , especially where beam and blockwork joint

1. On base layering surface applied 2 coats of T-Fine.
2. On base layering surface applied 1 coat of T-Fine
3. On base layering surface directly applied 2 coats of Interior Emulsion - Spade (White).



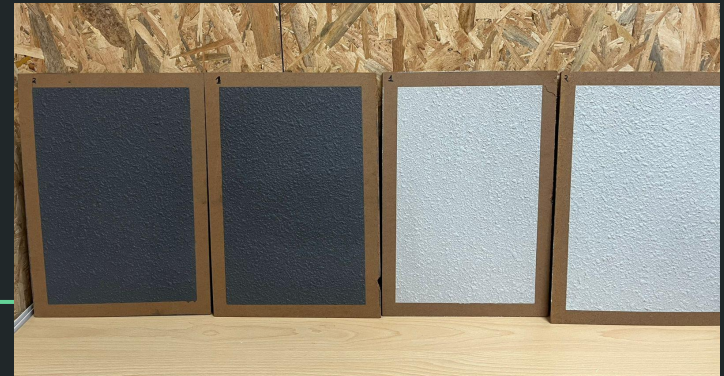
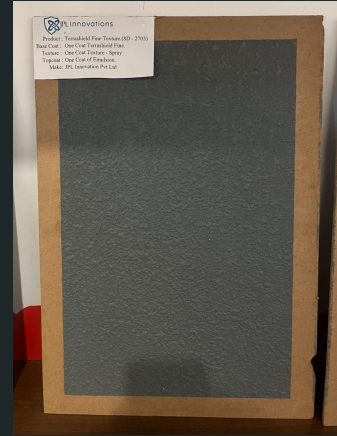
# Exterior Texture for Mivan Surface

## Process

1st step: 1 or 2 coat of TF

2nd Step: 1 coat of tinted TF  
sprayed through a texture gun

3rd Step: 1 coat of Clear Emulsion  
for a slight shine and gloss





# Proposal for Interior RCC

On raw RCC substrate we would apply directly two coats of Terrashield Fine. (To handle undulations on areas of RCC Joints we would apply Gypsum to make a Kach: video shown below)

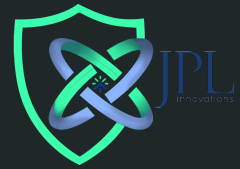
Gypsum Kach link: [Application after kach](#)

Application of TF after Gypsum kach: [Application after kach](#)

# Why use T-Fine vs Gypsum Plaster on RCC surface?

T-Fine Pull of Strength = 1.0 Mpa  
Gypsum Pull of Strength = 0.5 Mpa

**Note:** After Gypsum you will be required to apply Primer and sand the surface before paint, whereas with TF only light rubbing with 320 Emery paper and direct to paint. Saves time and cost.



## Terrashield Fine

- Designed specifically for **cementitious substrates**
- Bonds directly with RCC (no debonding layer)
- Compatible with alkaline concrete surfaces
- Forms a flexible micro-elastomeric layer

## Gypsum Plaster

- Gypsum is not chemically compatible with cement
  - Requires bonding agents for adhesion
  - Susceptible to debonding over time
  - Rigid layer over dynamic RCC
-



# Terrashield Fine – 3-Year Performance Guarantee

**Backed by Tested Performance & Structured Warranty**

**Note: Guarantee applicable for projects  $\geq 1,00,000$  kg (single project)**

## **Lab-Tested. Verified.**

- NABL-accredited laboratory tested (Sri Ram & Eurofins)
- Elastomeric crack-resistant performance
- Class 1 Fire Rating (BS 476 / ASTM E84)
- VOC-free | No carcinogenic compounds

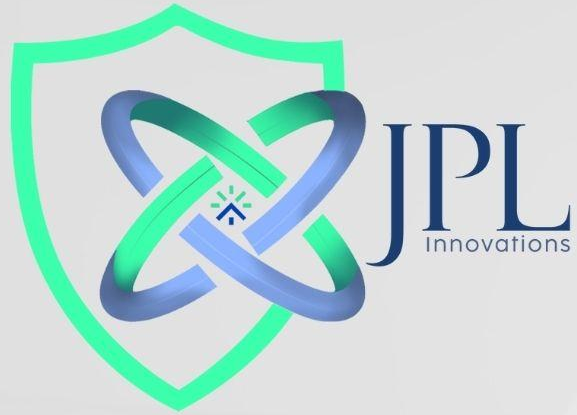
## **Structured 3-Year Coverage**

- Valid for Interior & Exterior vertical walls
- Clearly defined “Product Failure” (crack reappearance)
- Registered & documented performance system
- Replacement product support in eligible cases

# Key Takeaways



- 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



... 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](mailto:projects@jplindia.com) |

🌐 Visit: [jplinnovations.com](http://jplinnovations.com) | 📞 Call us at: +91 9650060448, +911147077520

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