
PLOT NO. 60/61, PANDOL INDUSTRIAL AREA, VED ROAD, KATARGAM,
SURAT, GUJARAT -395004

TECHNICAL DATA SHEET RP – 107

Fire Retardant Coating For Wood (Water Based)

RECOMMENDED USE

This fire-resistant coating is designed for application on:

- Doors and windows
- Wall panelling and false ceilings
- Fibre board and gypsum tiles

The coating renders substrates fire-resistant to **Class 1 surface spread of flame** as per **BS-476 Part 7&8**

(Govt. Lab. NTH Test Report).

PHYSICAL DATA

- **Color:** White / Off-white (Custom colors available)
- **Finish:** Glossy / Semi-glossy
- **Application:** By brush or spray
- **Thinner:** Clean water
- **Recommended DFT:** 60 microns per coat
- **Over coating Interval:**
 - *Minimum:* 8 hours
 - *Maximum:* 24 hours (surface must be roughened by emery scuffing if exceeded)

COVERAGE *(per liter)*

Substrate	Coverage (m ² /L)
Soft Wood	3.0
Plywood, Particle Boards	3.5
Hard Wood / Teak Wood	4.0
Fiber Insulation, Plaster & Gypsum Boards	6.0

DRYING CHARACTERISTICS

(At 30°C and 65% Relative Humidity)

- **Touch Dry:** 3 hours
- **Hard Dry:** 8 hours
- **Full Cure:** 7 days

SHELF LIFE

- **1 year** when stored at room temperature in original, sealed containers.

COMPATIBILITY

- Recommended for use over **fire-resistant primer RP-107/1**.

RESISTANCE GUIDE

Agent	Resistance
Fire	Conforms to BS-476 Part 8
Acid	No effect (5% HCl)
Alkali	No effect (5% NaOH)
Water	No effect (40°C, 7 days)
Termites	Apply 1 coat of FR Primer RP-107/1 + 2 coats of RP-107 to eliminate infestation.

SURFACE PREPARATION

- Clean all surfaces thoroughly, removing dust, grease, and moisture.
- Apply **FR Primer** before the topcoat for optimal performance.

HEALTH & SAFETY

- Always consult the **Material Safety Data Sheet (MSDS)** before use.
- Ensure compliance with relevant **national health, safety, and environmental regulations**.
- Use **adequate ventilation** and wear **protective gear** (gloves, goggles, masks, etc.) during application.
- Avoid contact with skin and eyes. Do not inhale vapours or spray mist.
- This is a **water-based product**. Use appropriate safety precautions to prevent exposure to hazardous fumes.



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Your Safety is Our Motto

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