

Fire Resistant Ceramic Insulation Primer Coating

Rough Finish High Grip Primer for Wall, Gypsum Board & Concrete

ARC 318 PR is a specially developed water based fire resistant ceramic insulation primer coating designed for wall, gypsum board, concrete and similar substrates. It provides rough textured finish for superior gripping and long lasting bonding with subsequent top coats.

The coating contains highly ceramic insulation grade fillers and fire resistant compounds which help in reduction of heat transfer during fire exposure. The rough finish profile improves intercoat adhesion and durability of complete fire resistant coating systems.

ARC 318 PR is specially recommended as primer/base coat under fire resistant top coat systems where high bonding strength, insulation properties and mechanical grip are very important.

FEATURES & ADVANTAGES

- Rough texture finish for excellent gripping
- Highly ceramic insulation grade coating
- Excellent bonding with wall & gypsum surfaces
- Improves long term durability of coating system
- Reduces heat transfer during fire exposure
- Good fire resistant properties
- Water based & low VOC system
- Good mechanical anchoring for top coat
- Non toxic & non corrosive
- Anti fungal & anti bacterial properties
- Easy brush / roller application
- Suitable for interior applications

RECOMMENDED USES

- Gypsum board
- Concrete walls
- Fire rated partitions
- Cement board
- Ceiling systems
- Fire resistant wall systems
- Commercial & industrial buildings

SYSTEM OFFERED

Primer / Base Coat System

ARC 318 PR — Rough Finish Ceramic Insulation Primer

Recommended minimum 2 coats

Top Coat

Compatible with ARC 318 TC smooth finish top coat

TECHNICAL DATA **FR – base coat**

PROPERTY	RESULT
Finish	Rough Texture Matte
Colour	Off White / Grey
Specific Gravity	1.25 ± 0.05
Nature	Water Based Polymer Ceramic Compound
DFT Per Coat	300 – 700 microns per coat
Recommended WFT	500 – 1100 microns
Coverage	1.5 – 2.5 sq mt per kg depending on surface
Fire resistance	Excellent
Adhesion	Excellent
Water Resistance	Good
Heat Insulation	Excellent
Application	Brush / Roller / Texture Spray
Dilution	Ready to use
Recoat Time	4 – 6 hours
VOC	Very Low
Solid Content	Approx. 65 ± 5%
Particle Size	Less than 10 Micron
Shelf Life	6 months

APPLICATION PROCEDURE

- Surface should be clean, dry and free from dust, oil, grease and loose particles.
- Remove old loose coating by sanding if required.
- Stir material thoroughly before use.
- Apply first coat of ARC 318 PR uniformly.
- Allow drying for 4–6 hours.
- Apply second coat for better insulation and gripping.
- Apply compatible ARC 318 TC top coat after proper drying.

RECOMMENDED CONSUMPTION

Fire Rating Requirement

30 Minutes
60 Minutes
90 Minutes
120 Minutes

Approx Consumption

500 gm/sq mt system
1000 gm/sq mt system
1500 gm/sq mt system
1800 gm/sq mt system

SAFETY & PRECAUTIONS----

1. Stir the contents well before using.
2. Do not dilute with tap water
3. Use only R/O water if dilution required
4. Use goggles, hand gloves for personnel safety when using these coatings.
5. Protect your eyes from chemical of these coatings. As it may be irritating in eyes, wash eyes with plenty of water. If not cured go to doctor.
6. Clean the Brush / Spray Equipment after application for reuse.
7. Store in cool and dry place.
8. Protect from reach of children.

STORAGE

- Store in cool and dry place in unopened condition.

Packing

25 kg

FOR MORE DETAILS: -
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