

ACRYLIC ELASTOMERIC EXTERIOR WATERPROOF COATING

Description

Dr. Fixit Raincoat is composed of high quality acrylic emulsion polymer, light fast & weather durable pigments, properly selected & graded fine fillers, many additives & water as a medium.

It is used as a waterproofing & protective coating for exterior walls of the buildings because it forms higher film thickness, has excellent flexibility, breathing properties, water resistance, crack-bridging ability, weathering durability and an excellent resistance to the growth of microorganisms.

Areas of Application

- All types of exterior masonry surfaces, concrete, cement sand renderings, etc.
- Applicable on asbestos sheets.

Features & Benefits

- **Film thickness** - Higher film thickness provides resistance to the movements of structures, gives crack bridging ability & waterproofing properties.
- **Flexibility** - Flexible and covers hairline cracks(upto 0.5 mm) effectively so that no ingress of water.
- **Toughness** - Tough films withstands wind driven rain.
- **Elasticity** - High elasticity easily withstands stress caused by thermal expansion & contraction (>100% elongation at 110-120 micron DFT).
- **Ready to use** - No dilution is required hence ensures desired film thickness built-up without affecting the performance.
- **Microbial resistance** - Resistance to fungus and algae hence maintains the aesthetic value.
- **UV resistant** - Resistance to UV (Sun light) hence coating has longer life.
- **Dirt pick up** - Very low dirt pick up & can be cleaned easily hence maintains the aesthetics.
- **Breathability** - Permeable to water vapour.
- **Ease of application** - User friendly, easily applicable by brush, roller or spray.
- **Toxicity** - It is Non-toxic.

Method of Application

1 SURFACE PREPARATION

- All new cement-sand renderings /concrete surfaces should be allowed to age 6 to 8 weeks before surface coating.
- Surface for treatment must be thoroughly cleaned of all laitance, loose material, oil, grease, etc. by mechanical means such as wire brushing & shot blasting .
- Finally vacuum cleaning of all loose solids and liquids can be done, if required.
- All surface cracks upto 5 mm width should be filled up with Dr.Fixit Crack-X or Dr.Fixit Unifiller. Cracks more than 5 mm and all separation gaps should be filled up with Dr.Fixit Pidicrete URP or Dr.Fixit Unibond SBR modified mortar or as specified.

2 PRIMING

- Prime the surface with Dr. Fixit Primeseal diluted with potable water by volume in 2:1 ratio (2 parts primer and 1 part water) and allow it to dry for 2 to 3 hours

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3 APPLICATION

- Use Raincoat directly from the container. Stir contents well before use.
- Apply two neat coats of Raincoat without dilution by brush or roller at a time interval of 5-6 hours.
- For enhanced protection, apply additional coat of Raincoat on rain lashing walls, chajjas and parapet walls.
- Allow the coated surface to air cure fully for 7 days.

Precautions & Limitations

- Do not dilute Dr. Fixit Raincoat.
- Recommended to be primed with Dr. Fixit Primeseal only.
- Do not apply when ambient temperature is below 10°C or above 45°C.
- Do not apply in direct sunlight or during rains.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Nature		Single component
Appearance		Emulsion paint (available in white & dark bases)
Specific gravity		1.29
Elongation (250 micron DFT), %	ASTM D 412-02	> 190
Water permeability - Reduction in water penetration@ 5 bar pressure (%)	BS EN 12390	68
Rapid chloride penetration test - Penetration of chloride ion	ASTM C 1202 - 97	Very low
Algae & fungal resistance	SS 345 : 1998	No growth
Accelerated weathering (1000 hrs UV exposure)	ASTM D 4587	No defects
Tensile strength, N/mm ²	ASTM D 412-02	> 2.6
Crack bridging ability	ASTM C 836	Passes more than 2 mm width
Adhesion strength, N/mm ²		1.5
Coating thickness (2 coats DFT), microns		110

Coverage

3.0 to 3.5 m² per litre for 2 coats*

*Coverage may vary depending upon the texture and porosity of the surface

Packaging

1, 4 & 20 ltrs.

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Shelf Life & Storage

- Shelf life is 18 months from the date of manufacturing in unopened conditions.
- Store in a cool and dry place.
- Keep away from direct sunlight and heat.

Health & Safety Precautions

- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician. .

Other Product Categories Available

DR. FIXIT has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



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