

Dr. Fixit Roofseal



COLD APPLIED ELASTOMERIC BITUMINOUS WATERPROOF COATING

Description

Dr. Fixit Roofseal is a single component cold applied elastomeric waterproofing membrane. It is a tough yet extremely flexible coating that can be efficiently applied to any thickness by roller or squeegee creating a fully adhered monolithic waterproofing membrane with no wastage. Since it is water based with low VOC's it is considered a "green" product that is sustainable for years as a waterproofing membrane.

Areas of Application

- Waterproofing of flat and pitch roofs
- Below grade waterproofing / damp proofing
- Wet area Waterproofing
- As an external protective coating for block works before fixing Aluminum Composite Panels

Features & Benefits

- **Waterproofing** - High film build up provides excellent water resistance
- **Elastomeric** - Excellent flexibility and elongation properties - can easily accommodate all normal building movements.
- **Seamless** - Can be applied to complex shapes to form a seamless and highly durable water proofing membrane.
- **Adhesion** - Adheres firmly to most of building surfaces including concrete, brick etc. both horizontal and vertical surfaces.
- **Water based** - Easy cleaning of tools and brushes by water.
- **Easy to apply** - Suitable consistency for easy application by brush, roller or squeegee

Method of Application

1 SURFACE PREPARATION

- Surface preparation is generally limited to cleaning by broom brush or compressed air. All surfaces to be applied must be free from dust, loose material, oil, or any other material which may impair adhesion of the material. All surface cracks up to 5 mm wide should be filled up with the same material and pre-stripped prior to application of the material. All joints of vertical up stand should have 50 x 50 mm angle fillets prepared with sand -cement mortar; mixed with **Dr. Fixit Pidicrete URP**.

2 PRIMING

- Primer is required only for high absorbent surface such as light weight concrete or old surfaces. Primer recommended to be used is **Dr. Fixit Torchshield Primer**, when the surface is completely dry

3 APPLICATION

- Apply a coat of **Dr. Fixit Roofseal** on all vertical up stand at an average girth of 200 mm and allow drying. Apply 2 coats **Dr. Fixit Roofseal** at 0.75 ltrs / m²/ coat, at an interval of 24 hrs between the coats and allow drying completely. Protect the coating with 40 mm (min.) screed laid to slope [1:100].

OR

- Spread 100 grm/m² geotextile over, before a concrete screed is laid. Protect the coating with a concrete screed in M 20 grade. After the application of screed, provide control joints along the length and breadth of entire screed area. The joint can be provided by using a saw cutting machine attached with a 3 mm blade. The joints will be 5 mm wide and 15 mm deep. 28-30 days later, these joints can be filled with a suitable elastomeric sealant



Precautions & Limitations

- Careful supervision during application is needed, particularly in ensuring proper curing of concrete and consistent thickness
- Do not dilute with water while applying for waterproofing coating application. Apply Dr. Fixit Roofseal directly.
- Always protect the coating with proper and appropriate screed.
- Always keep the substrate moist - SSD condition - before priming.
- Do not apply Dr. Fixit Roofseal directly in open sunlight when temperature is high.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Brush ability		No sag, slip & run off
Solid content, %	ASTM D 1644	55-60
Specific Gravity		0.99 - 1.05
Elongation at break %	ASTM D-412	> 1000
Water Resistant	ASTM D-870	No blistering and re-emulsification
Peel adhesion to concrete N / mm ²	ASTM D	1.5
Water vapour permeability	IS : 7809 / 1977	0-5 gm/sqm. 24 hrs. (Full cured in 24 hrs.)
Water absorption (%)	ASTM D-642	0.02
Crack Bridging	ASTM C836: 00	No crack at 2 mm gap
Hardness, Shore A	ASTM D2240: 91	> 50
Water Penetration @ 3 bar	DIN 1048: Pt 5: 91	No penetration
Tensile Strength, N/ mm ²	ASTM D412	1.1

Coverage*

0.75 ltrs/ m² / coat

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

Packing

5 & 20 Ltrs

Shelf Life & Storage

- Shelf life is 12 months from the date of manufacturing in unopened condition. Store in cool and dry place. Keep away from direct sun light.

Health & Safety Precautions

- During application wear protective clothing, gloves and eye goggles during application. Avoid product to contact eyes and skin.
- Skin Contact: Wash immediately with plenty of clean water, use kerosene or mineral turpentine when the product has dried.
- Eye contact: In the event of eye contact splash plenty of clean water immediately and seek medical advice.

Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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