



## HEAVY DUTY REINFORCED TRAFFICABLE WATERPROOF COATING

### Description

Dr. Fixit Newcoat is a heavy duty terrace waterproof coating system, composed of specially developed highly elastic & resilient acrylic polymers, properly selected & graded fillers, lightfast & weather durable pigments, micro-fibres, additives & best quality fungicidal in water medium. It is used as a liquid applied waterproofing membrane for all types of building terraces. Dr. Fixit Newcoat is a three-layer system with coats in different colours ensuring proper build-up of the thickness, making it a reliable waterproofing system. The coating performance can be enhanced by providing a fibre mesh that is embedded or sandwiched between the coats.

### Typical Applications

- Building roofs / Terraces- Flat & sloping.
- Over existing cementitious waterproofing treatments like brickbat coba, concrete screeds, etc.

### Features

- Film thickness - Provides higher dry film thickness of 1 mm in three coat application
- Crack bridging - Bridges cracks up to 2 mm width
- Application advantage - No need to remove existing sound brickbat coba, plaster, concrete surface
- Suitability - Can be used for flat as well as sloping roofs
- Strength - Higher tensile strength, tear resistance & bond strength with cementitious substrates
- Resilience - Forms highly elastic & resilient coating so helps to withstand the structural movements
- Durability - Resistant to UV & weather conditions
- Abrasion resistant - No additional protective coating is required for roof subjected to foot traffic
- Ease of application - Can be applied by brush & roller easily
- Weight addition - Light in weight does not add extra weight over the roof
- Toxicity - It is non-toxic in nature
- Breathability - It is breathable
- Easy to recoat existing surfaces coated earlier with Dr. Fixit Newcoat.

### Packaging

4 & 20 litres

### Method of Application

#### 1 SURFACE PREPARATION

- Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles.
- In existing old terraces with brickbat coba or screeds, the substrate must be checked for its soundness. Damaged or hollow portions, sharp edges, etc. must be cut and removed till the mother slab. The slab should be recoated with slurry of Dr. Fixit Pidicrete URP and cement in 1:1 proportion. After drying, the brick bat coba in that portion should be reinstated by mixing Dr. Fixit Pidicrete URP in the base slurry as well as while doing the top coba.
- In areas, where the coba is sound, the surface cracks must be filled with Dr. Fixit Crack-X or polymer-modified mortar in case cracks are wider than 5 mm should be repair using of Dr. Fixit MPB / URP .
- Ensure that the roof slope of a minimum of 1 in 100, is already provided.
- Bitumen based waterproofing treatments if existing, must be completely removed by mechanical scarification or by any other effective mechanical means.



## 2 APPLICATION

- Dilute 2 parts of Dr. Fixit Primeseal with 1 one part of water. This dilution will cover 7 to 8 sq.mt. Allow it to dry for 6 to 8 hrs.
- Apply 1st coat of Dr. Fixit Newcoat at the rate of 2 sq. mt. per litre (Make grid lines of 1 mtr by 1 mtr on the surface with chalk for measuring application coat of 2 sq. mt.)
- An open woven glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat. While the 1st coat is still wet, place the fibre mesh on it.
- Dr. Fixit Newcoat to be applied with brush or roller in one direction only. Check to see no void surface is left untreated / uncoated. Allow the first coat to dry for 6-8 hours.
- Apply second coat of Dr. Fixit Newcoat with the same application coverage. Application direction of second coat should be perpendicular to that of the first coat. Check to see no void surface is left uncoated with second coat. Allow second coat to dry for 6-8 hours.
- Apply third coat of Dr. Fixit Newcoat at an application direction that is perpendicular to that of the second coat with same application coverage rate. Check to see no void surface is left untreated / uncoated. All coats should be applied in direction perpendicular to each other.
- The sequence of colours of Dr. Fixit Newcoat can be decided depending on the desired top coat colour.
- In case only two colours are being used, ensure that the colour of the first and the third coat are the same. This would ensure correct consumption of material that will deliver a total DFT of 1 mm.
- Drying time between coats will be 6 to 8 hrs.
- Allow the system to air cure for 7 days minimum. A total thickness of 1 mm must be achieved when Dr. Fixit Newcoat is dry.
- 7 days after application of Dr. Fixit Newcoat, it should be checked for its adhesion to the substrate. For this, mark a square of 5 cm x 5 cm, for every 200 sq. m of the area.
- Cut the square with a knife diagonally across the square. Rip the coating and check the coating's thickness with vernier callipers, to see if the dry film has an average thickness of 1 mm. Once these tests are done, reapply Newcoat over these portions, in accordance with the regular procedure.

## 3 MAINTENANCE & RECOATING OF DR. FIXIT NEWCOAT

- Over a period of time or some years, if Dr. Fixit Newcoat has developed cracks on exposure to weathering or extreme temperature variations, it is extremely easy to recoat over it again, with only one coat of application of Dr. Fixit Newcoat. Cracks if any, can be treated by placing a fibre mesh over a recoat, while it is still wet. After this dries, it would need an additional coat over the mesh to strengthen the area. In rest of the area where there are no cracks or damage on the surface, you can just go in for only one coat of Dr. Fixit Newcoat, after properly sanding the surface.

## 4 POST APPLICATION

- Conduct ponding test by filling water up to 50 mm height for 48 hours post air curing to ensure leak-free terrace.

### Precautions & Limitations

- All corners, gaps, joints, Roof leak repair area & outlets shall be coated with two extra coats.
- Do not apply during rains; substrate MUST be in SSD condition for application of primer.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipment.
- Do not apply Dr. Fixit Newcoat over expansion or moving joints.
- To achieve the full proof waterproofing, parapet walls should be covered with Dr. Fixit Raincoat.
- Never dilute Dr. Fixit Newcoat with water for ease of application.
- Do not apply when ambient temperature is below 10°C or above 35°C.
- Keep the material in close when not in use.

### Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Solid Content, %		Min 65 %
Hardness (Shore A)	ASTM D 2240: 2002	80
Tensile Strength, N/mm <sup>2</sup>	ASTM D 412 : 2002	1.2
Elongation at Break, %	ASTM D 412 : 2002	Min 100 %
UV Resistant - Accelerated Weathering (1000 hours)	ASTM G 154 : 2000	Excellent: No thermal degradation, No cracking, chalking and discoloration
Adhesion Strength, N/mm <sup>2</sup>	ASTM D 4541 : 2002	1.0
Water Vapour Transmission	ASTM E 96 : 2000	15-50 g/m <sup>2</sup> /day
Algae & Fungus Resistant	(SS 345 : 1998)	No algae & fungus Growth
Crack Bridging	EN1062-7	a) No cracks up to 2 mm width b) No cracks up to 1 mm (10 cycles)
Rapid chloride permeability	ASTM C 1202 - 97	Very low
Water permeability (Depth of penetration at 5 bar pressure)	BS EN 12390, part 8 :2000	6

### Theoretical Coverage

2 m<sup>2</sup> per litre per coat

### Shelf Life

Shelf life is 36 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

### Health and Safety

- 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 Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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