

HIGH PERFORMANCE POLYMER MODIFIED CEMENTITIOUS COATING

Description

Dr. Fixit Fastflex is a two component cementitious coating, composed of high quality cement, properly selected & graded fillers, additives and liquid polymer. It is suitable for achieving waterproofing for the water retaining structures such as swimming pools, water tanks, reservoirs, other wet areas, etc, because it provides strong bonding, good waterproofing and excellent resistant to hydrostatic water pressure by forming highly elastic seamless coating over the applied concrete or masonry surfaces.

Areas of Application

- Any concrete, cement or masonry surface that is subjected to damage from moisture.
- Swimming pools, water tanks and reservoirs.
- Concrete roofs, basements, and basement walls and lift pits.
- Concrete foundations.
- Parking decks.
- Bathrooms, toilets, sunken portions, balconies, planters, etc.
- Podiums.

Features & Benefits

- **Elasticity** - Highly elastic film formation which accommodates thermal movements.
- **Permeability** - Impermeable to water providing excellent waterproofing property.
- **Water pressure** - High film built-up to withstand 10m hydrostatic pressure without any leakages.
- **Application advantage** - Can be applied on damp surfaces leading to wide range application and instant remedy from moisture.
- **Bonding** - Excellent adhesion to concrete and masonry substrates hence longer life.
- **Drying** - Quick drying after application & user friendly, faster application.
- **Seamless coating** - Forms seamless coating without any joints, prevents water leakage.
- **Toxicity** - It is Non-toxic and free of VOC.
- **Ease of application** - Easily applied by brush, roller or spray.

Method of Application

1 SURFACE PREPARATION

- Surface under treatment should be sound, clean and free from dirt, oil and other loose material
- Masonry surfaces should be fully cured (minimum 28 days) prior to application.
- All surface cracks, undulations and voids must be repaired appropriately before application
- Surface must be in SSD condition prior to application.

2 MIXING

- Use slow speed mechanical mixer, add powder component slowly to the polymer in a clean container
- Stir till smooth and homogeneous slurry, without any lumps, is achieved
- Allow the mixed slurry to stand for 5-10 minutes for releasing trapped air during mixing.

3 APPLICATION

- Do not dilute with water
- Apply Fastflex slurry by brush, roller or trowel.
- Allow the slurry to dry completely for 6-8 hrs before applying 2nd coat.

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Precautions & Limitations

- Do not add water to Dr. Fixit Fastflex during application.
- Fastflex needs 7 days for complete air curing.
- Do not cure with water or conduct any ponding test before it gets completely cured.
- Concrete & masonry surfaces must be cured for 28 days before application.

Technical Information

| PROPERTIES | SPECIFICATION | RESULTS |
|---|-----------------------|------------------------|
| Mix ratio (liquid: Powder), parts by wt. | | 1:1.4 |
| Touch dry time, minutes | ASTM D 1640 | 45 |
| Inter coat application time, Hrs | | 6-8 |
| Cure time after 2 nd coat, Hrs | | 24 |
| Tensile strength (1.7-1.75 mm), N/mm ² | ASTM D 412 | 5 |
| Elongation at break, % | ASTM D 412 | Minimum 150 |
| Adhesion strength, N/mm ² | ASTM D 4541 | 2 |
| Crack bridging | ASTM C 836 | No cracking up to 2 mm |
| Water penetration (5 bar pressure) | BS EN 12390 | Nil |
| Hardness, Shore A | ASTM D 2240 | 85 |
| Reduction of rapid chloride permeability, % (Compared to control) | ASTM C 1202-97 | 92 |
| Toxicity | BS 6920 part I : 2000 | Passes |

Coverage

Approximately 5-6 sq.ft in 2 coats at 1.5 mm DFT
coverage may vary depending upon the nature and texture of the substrate

Packaging

12 kg (7 kg powder + 5 kg polymer)
48 kg (28 kg powder + 20 kg polymer)

Shelf Life & Storage

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

Health & Safety Precautions

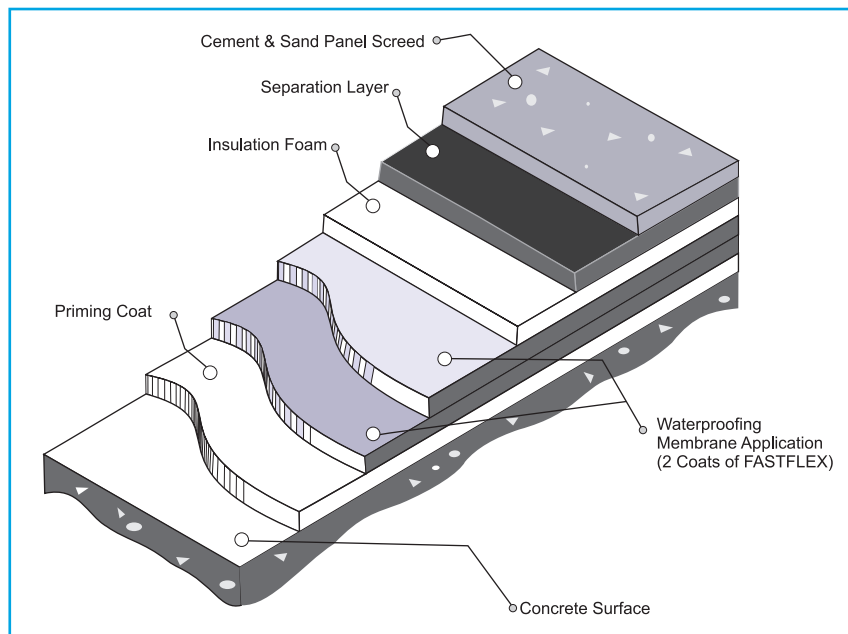
- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

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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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