

TWO PACK CEMENTITIOUS WATERPROOF COATING

Description

Dr. Fixit Pidifin 2K is a two component cementitious & acrylic flexible waterproofing & protective coating composed of best quality portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and similar structures. specially formulated for swimming pools, retaining walls, pile Heads, water tanks, submerged tunnels, sumps, bridge decks, marbles, granites and a wide variety of extreme service class structures because on curing it forms an excellent elastomeric, waterproof & protective layer over the substrate.

Areas of Application

Dr. fixit Pidifin 2K can be applied to new or old concrete structures that are structurally sound and strong,

- Basement retaining walls.
- Pile Heads.
- Structural surfaces of cellars.
- Concrete roof slabs, floors, balcony floor slabs.
- Water tanks and swimming pools.
- Bridge decks.
- Canals and dam walls.
- Structural surfaces of dykes.
- Waterproof coating (bottom coat) for marble, granite and other natural stones.
- Suitable for steam room waterproofing.
- Sewage treatment plants.
- for special applications such as areas where more thick plaster application is needed.

Features & Benefits

- **Flexibility** - Provides a flexible & low permeable coating.
- **Water permeability** - Excellent resistance to ingress of water.
- **Slip resistant** - Provides slip resistant coating.
- **Waterproof** - Waterproof for concrete structures.
- **Adhesion** - Excellent adhesion to concrete, natural and artificial stone.
- **Diffusion** - Excellent resistance to chloride ion diffusion and carbon dioxide.
- **Low temperature resistant** - Resistance to freeze-thaw cycles and de-icing salts.
- **Carbonation** - Prevents carbonation of cement concrete.

Method of Application

1 SURFACE PREPRATION

- The surface must be strong & free from dirt, dust & loose particles. Thoroughly wire brush the surface & clean the dust by air compressor or wash the surface with water.
- Oil & grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using polymer modified repair mortar.

2 MIXING

- Shake well the liquid component to a homogenous milky colour , before mixing transfer entire quantity of liquid component into a suitable clean mixing vessel, gradually start addition of powder component under constant mixing with a stirrer using a pneumatic or electric power tool (1kw) at slow speed at 250 - 300 rpm for 3- 5 minutes to a homogeneous & uniform free flowing slurry.
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3 APPLICATION

Blinding Coverage

- Apply slurry coat of mixed material for two coats at a coverage rate of 1.5 kg/m² over the set concrete slab by a masonry brush or appropriate power spray equipment.

Concrete slabs or roof slabs

- Two coat of mixed slurry to be applied to the set concrete @ 1.5 - 2kg/m² by a masonry brush, roller or appropriate power spray equipment.

Pile Heads

- Two coats of mixed slurry to be applied on to the pile head @ 0.75kg/m² first coat and 1.25 to 1.5 kg/m².
- second coat either by a masonry brush or by appropriate power spray equipment.

Water tanks and Swimming pools

- Two coat of Dr. fixit pidifin 2k applied @ 1.5 kg/m² each coat by a masonry brush or an appropriate power spray equipment.
- All applications where two coats is specified, the second coat shall be applied when the first coat is completely dried.
- The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.

Marbles/Stones

- It is recommended to apply one coat at the bottom side of the marble @ 1.5 mm thick at a coverage of approximately 1.8 to 2 kg/m².

Precautions & Limitations

- Mix the entire quantity of both the components at one go.
- Do not use powder with the liquid other than the powder accompanied with liquid, it will affect the Performance.
- Do not add water for dilution.
- Do not flood or over expose the treated surface to water until it is completely cured.

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Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Nature		Two component
Appearance of mix		Free flowing slurry
Colour		Grey
Sp. gravity @ 25oc, g/cc		1.65 - 1.75
Toxicity	BS 6920 : part 1:2000	Non-toxic
Abrasion resistance, cm/km		0.09
Rapid chloride permeability- reduction in chloride ion penetration, %	ASTM C 1202: 1997	90
Hydrostatic (positive) water pressure resistance, bar	DIN 1048	7
Hydraulic (negative) water pressure resistance, bar	DIN 1048	3
Ponding test, Hrs		48

Coverage

- Approximately 1.5 -2 kg/m² @ 1mm thickness for 2 coats.

Packaging

- 3, 15 Kg's

Shelf Life & Storage

- Shelf life is 12 months from the date of manufacturing.
- Store under cover, away from direct sunlight and protect from extreme temperature.
- In hot temperature conditions, it must be stored in a temperature-controlled environment i.e. less than 30°C.

Health & Safety Precautions

- Dr. fixit Pidifin 2K is alkaline and should not come into contact with skin or eyes.
- Avoid inhalation of dust during mixing.
- Gloves, goggles and dust masks should be worn.
- Any contact to eyes should be washed immediately with clean water and seek medical advice

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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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