

Dr. Fixit Pidifin 2K

2-PARTS FLEXIBLE CEMENTITIOUS WATERPROOFING MEMBRANE

Description

Dr. Fixit Pidifin 2K is 2 parts polymer-modified flexible cementitious waterproofing membrane coating specially formulated for Concrete and Masonry Surface which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction, the cured. The application can be applied on damp surface and Excellent waterproofing property - No leakage up to 10 m. hydrostatic pressure.

Dr. Fixit Pidifin 2K will become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface. Environmentally friendly - free Volatile Organic Compound (VOC)

Area of Application

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

Rate of uses

* **Theoretical consumption without allowance for loss.**

Rate of uses				
	kg/m ²			m ² / Set (15 kg)
	Standard	At Least	At Most	
1 Coat	1.00	0.98	1.03	15
2 Coats	1.00	0.98	1.03	15
Total 2 Coats	2.00	1.95	2.05	7

Thickness

Thickness (micron)			
	Standard	At Least	At Most
1 Coat	425	350	500
2 Coats	425	350	500
Total 2 Coats	850	700	1,000

Method of Application

1. Surface Preparation

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spalled Concrete must be sound before applied.
- Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

2. Mixing

- Using Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

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3. Applications

- **Dr. Fixit Pidifin 2K** slurry can be applied by brush. **DO NOT** dilute with water. Recommended total coverage rate is approximately 2 kg./m² (Minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.

4. Curing

- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- **Dr. Fixit Pidifin 2K** requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site" to 'requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site'

5. Cleaning

- **Dr. Fixit Pidifin 2K** can be removed from tools and equipment immediately after use with clean water, only hardened material can removed mechanically.

Technical Information

Properties	Standard / Test Method	Results
1.Mix Component	-	Mix Ratio 1 : 2 (A : B)
2.Polymer Content	-	> 18 %
3.Water Absorption	-	< 6%
4.Proprietary Polymer	-	High quality modified acrylic polymer
5.Set-to-touch time	ASTM D 1640	45 min
6.Tensile Strength - as cast	ASTM D 412	2.5 N/mm ²
7.Elongation at Break - as cast	ASTM D 412	60 %
8.Adhesion to Substrate	ASTM D 4541	0.80 N/mm ²
9.Adhesion to Concrete at 7 day	ASTM D 4541	1.75 N/mm ²
10.Immersion in water Adhesion to Concrete at 7 day	ASTM D 4541	1.00 N/mm ²
11.Crack Bridging	ASTM C 836	1 mm

Drying and Curing time

Substrate temperature	10 °C	25 °C	30 °C	40 °C
Surface (touch) dry, hrs.	3	1,30	1	0,45
Dry to over coat, minimum, hrs.	12	6	3	2
Dried/cured for service, day	7	5	4	3
Thickness Recommend, mm.				
At least	0.7 mm.			
At most	1 mm.			

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Drying and curing times are determined under controlled temperatures and relative humidity below 60%, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium

Precautions & Limitations

- **Dr. Fixit Pidifin 2K** is not suitable for traffic area application.
- **Dr. Fixit Pidifin 2K** is a pre measure package. Do not dilute with water or add any more sand or cement.
- **Dr. Fixit Pidifin 2K** do not be applied by roller

Packaging

- 15 kg/set (2 part : Powder 10 kg and Liquid 5 kg)

Storage

- 12 month storage in sealed container and room temperature.

Health & Safety Precautions

- Non Flammable
- Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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