

## HIGH SOLID 1K WATERBORNE WATERPROOFING MEMBRANE

### Description

Dr. Fixit Eautite is a ready-to-use; liquid-applied elastomeric water based waterproof coating. That cures to form a monolithic membrane designed for wet areas under tiled finish application. Being a 1K liquid applied coating, it reduces mixing errors and saves time due to excellent flow properties and thereby easy application with roller or brush. It is fully compatible with polymer modified cement based tiles adhesives, screeds and renders.

### Technical compliances:

- Complies with technical requirements of Singapore Housing Development Board (HDB) for toilets, bathrooms and other wet area applications
- Compliance to Australian Standard AS /NZS 4858 :2004 class II membrane "Waterproofing of Wet Areas in Residential Buildings"
- Green label Certification from Singapore

### Typical Application

Waterproof coating for internal wet areas as under tiled finishes

Concrete, Pre-fabricated bathrooms, toilets and drywall partitions, kitchens, laundry area.

### Features

- Ready to use straight from the pail
- Flexible, has crack bridging ability
- High bond strength to a variety of substrates and building materials
- Bonds to clean metal drains, PVC, and ABS drain assemblies
- Liquid applied membrane, can be applied with roller, brush
- Non-toxic, Provides a seamless coating

### Method of Application

#### 1 GENERAL SURFACE PREPARATION

- Surface must be clean, dry and in sound condition to ensure adequate adhesion.
- To aid in adhesion on a concrete or screeded surface, the smoothness of substrate should be at least the equivalent to that of a wood float or light broom finish
- Remove all oil, grease, dust, loose particles and other foreign material.
- Fill all cracks, voids and bug-holes with an appropriate Crack Filler.
- Any surface defects should be repaired prior to application of membrane.
- Metal and PVC fitting and trims must be primed with Dr. Fixit Eautite to provide good bond.
- Grind the, smooth finishing of wall and slab and make it rough to receive the coating
- All junction of drywall subject to movement shall be first sealed with Dr. Fixit PU Sealant
- All new concrete slabs must have a wood float finish and be allowed to cure for at least 6 weeks.
- Required to provide fillet at all vertical and horizontal transition of size to 50 mm x 50 mm with cement and sand mortar screed admixed with Dr. Fixit Pidicrete URP 10 % by weight of cement
- Cracks due to shrinkage should be repaired with polymer modified mortar.

#### 2 BONDING TO LIGHTWEIGHT CEMENT AND GYPSUM SURFACES

- Lightweight or gypsum-based materials must obtain a minimum 14 MPa compressive strength at the recommended cure time. Surfaces to be covered must be clean, dry, and structurally sound.
- All pre/fabricated joints, screw / nail heads must be sealed with Dr. Fixit GPS a one-part, acetoxysilicone sealant.



- For Floors: All corners, coving, drainage flange, & PVC pipes joints must be sealed with liberal amount Dr. Fixit Eutite sandwich with 40 Gsm Geotextile fleece fabric. Wait until first coat is dry then apply the second coat in order to completely embed Dr. Fixit Eutite with fleece fabric. Ensure reinforcing fleece fabric is fully wetted out and free from creases &/or air pockets.
- Prime all surfaces to receive Dr. Fixit Eutite a self-priming coat, with 50% dilution with water should be applied at the rate of 8-10 Sq.mt /ltr before application of undiluted 2 coats. In a clean pail, mix at low speed to obtain a lump-free solution. Allow the primer to cure for 4 - 6 hrs.
- Apply two coats of Dr. Fixit Eutite by brush or roller. Allow 1st coat/application time to dry for 4-6 hrs before application of second coat right angles to the first coat.at the rate .1 -1.2 litre/ Sq.mt/ 2 coat including one coat of self-primer to achieve 500 - 600 microns DFT. Allow to air cure completely for 5 days before tile installation work is to be begin. Low temperatures and/or high humidity can extend dry times).
- For Walls: within shower areas, extends vertically to the higher of 1800mm above the shower floor, and horizontally to the line of fixed door, or 300mm beyond the line of any curtain, or 1500mm beyond a fixed shower rose in an open shower area, or 600mm beyond the length of a hand-held shower rose in an open shower area.

### 3 APPLICATION WET AREA WATERPROOFING

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- Note: Apply Dr. Fixit Eutite for wet areas with a high amount of water splash, waterproofing membrane should turn up to a minimum height of 1000 mm. This will create a minimum tanking protection against the migration of water to spaces adjacent or below the wet area. At bath and shower areas, ensure that the waterproofing membrane is applied to at least 1800mm height and 1500 mm width. For wall or substrate immediately adjacent or behind a basin, sink or similar fixture must be applied with membrane to a height not less than 300 mm above the fixture if it is within 75 mm of the wall.

### 4 FIXING OF SANITARY FIXTURE & PIPES IN NEW BATHROOM

- It is very important to fix all sanitary pipes, fixtures, water pipe lines in advance, before taking up the application of Dr. Fixit Eutite.
- Concealed plumbing must be fixed with cement-sand mortar in 1:4 added with 10 % of Dr. Fixit Pidicrete URP, by weight of cement.
- Downtake pipes, etc. (entering through masonry / concrete) must be grouted with Dr. Fixit Pidigrout 10M, nonshrink flow applied cementitious grout, to pack the gaps around the pipes absolutely water-tight.
- After all the steps are executed, only then must Dr. Fixit Eutite be taken up for application as explained in new bathroom application.

### 5 TILE AND STONE INSTALLATION

- In all wet areas & Balconies, it is important that falls be provided to the drain outlet. The slope of this fall should be 1:100 - which equates to a 10mm fall over 1m, protect the membrane coating substrate with necessary falls, by laying sand / cement screed mortar or by using tile adhesive
- Water-tightness test may be carried out 5 days after application of the final coat of Dr. Fixit Eutite.

- Installation of tiles or stones can be done directly over Dr. Fixit Eutite with the help of suitable tile adhesive like ROFF Powerflex tile Adhesive or equivalent that is compliant to EN 12004:2017/C2 standard for Horizontal and vertical application.
- Grout tile joints with Roff RTM cementitious grout or Roff RTM epoxy grout.

\*Coverage will vary according to the surface profile and porosity of substrate.

## 2 DRYING / CURING TIME AT 30°C / 85% RH

- Touch dry - 60 to 90 mins
- Over-coating interval - 6 hours (depending on weather conditions).

Drying time may vary depending on the prevailing climatic conditions; low temperature and higher relative humidity may prolong the drying process.

## Precautions & Limitations

- Do not use as wear surface, the Dr. Fixit Eutite membrane must be covered with tile or other permanent flooring.
- For all under-tile applications use Roff Powerflex tile Adhesive or equivalent EN 12004:2017/C2 compliance, for Horizontal & Vertical application.
- Do not apply when temperatures are below 10°C and above 35°C
- The proper formation of the coating film can be affected if the coating is applied when the air temperature is below the specified temperature range (10°C). Temperature variations can affect the (film formation) of a coating, causing color variations
- Do not apply on existing concrete slabs on-ground with relative humidity levels over 85%. Contact Technical Services for other conditions for additional information.
- Pond test shall be carried out only after 5 days of air curing / drying of Dr. Fixit Eutite with 25 mm water for 2 days.
- Avoid skin contact, use of gloves and safety glasses is recommended while using the product.

## Technical Information

| PROPERTIES                                                                                        | TEST METHOD                     | RESULTS                                                                                                                             |
|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Solid Content (w/w)                                                                               | SS 5 Part B2                    | 63 ± 2                                                                                                                              |
| Tensile Strength<br>14 days cure                                                                  | ASTM D 412                      | ≥ 1.5 N/ mm <sup>2</sup>                                                                                                            |
| Elongation<br>7 days cure<br>14 days cure                                                         | ASTM D 412                      | ≥ 250%<br>≥ 250%                                                                                                                    |
| Crack Bridging ability                                                                            | EN 1062 -7                      | No cracks observed upto 3 mm width                                                                                                  |
| Shore A Hardness                                                                                  | ASTM D 2240                     | ≥ 55 (Shore A)                                                                                                                      |
| Set-to-touch                                                                                      | ASTM D 1640                     | 60- 90 mins                                                                                                                         |
| Resistance to water penetration                                                                   | DIN 1048                        | Passed no water penetration                                                                                                         |
| <b>Adhesion:</b><br>Concrete<br>Fiber board<br>Plywood<br>Light weight block<br>Dry Wall (Gypsum) | ASTM D 4541                     | ≥ 1.5 N/mm <sup>2</sup><br>≥ 1.4N/mm <sup>2</sup><br>≥ 2.0 N/mm <sup>2</sup><br>≥ 1.0 N/mm <sup>2</sup><br>≥ 0.50 N/mm <sup>2</sup> |
| Water Vapour Transmission                                                                         | ASTM E 96                       | 15-50 g/M <sup>2</sup> /day                                                                                                         |
| Mendrasl Bend test (6 mm dia)                                                                     | 180° around cylindrical mendral | passess                                                                                                                             |



|                     |                              |          |
|---------------------|------------------------------|----------|
| Chemical Resistance | ASNZ 4858 , 7 days immersion |          |
|                     | Dilute acids                 | Good     |
|                     | Dilute Alkali                | Good     |
|                     | Salt Solution                | Good     |
|                     | Detergent Solution           | Good     |
| Water absorption    | ASTMD 471                    | Complies |

### Theoretical Coverage\*

To achieve 500-600 microns DFT, use 1.1-1.2 litre/sq.m/self-priming & 2 coats.

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

### Packaging

20 litres (Shade - Green)

### Shelf Life

- Keep containers closed away from heat and flame when not in use; store in a cool & dry place.
- 24 months from the date of manufacture in unopened & proper storage conditions.

### Health & Safety

This product is a water based emulsion of non-hazardous polymer. It is non-flammable and essentially non-toxic. Normal industrial hygiene procedures should be adhered to particularly when spraying and it is recommended that gloves and eye protection be worn. In case of skin or eye contact thoroughly irrigate with water and seek medical advice if any irritation develops or persists. In the case of accidental ingestion, wash mouth out with water and seek medical attention. Spillages should be cleaned up immediately with water as they will leave a film on evaporation. See MSDS for further information.

### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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