

# Dr. Fixit Torchshield AG 2050/3050/4050



## APP MODIFIED BITUMEN BASED MEMBRANES FOR WATERPROOFING

### Description

**Dr. Fixit Torchshield AG** is reinforced with fiberglass mat which is strong, dimensionally stable and rots proof to guarantee stability in hot conditions. The fibers are completely impregnated and coated with an elastomeric compound using an exclusive procedure which guarantees absolute impermeability. A high performance, prefabricated, modified bitumen membrane, consisting of proprietary waterproofing compound, with Atactic Polypropylene (APP) for greater elasticity and flexibility.

**Dr. Fixit Torchshield AG** is a all purpose membrane, excellent in a single layer or multi layer roofing systems.

### Typical Applications

- All types of roofs such as concrete, metal, asbestos etc.

### Features

- Excellent resistance to ageing and weathering.
- Outstanding bonding and seam integrity.
- Stability at high temperature.
- Dimensional stability.
- Rot-proof.
- Inert base layer for multi-layer specifications.

### Packaging

Dr. Fixit Torchshield Membranes are available in Roll sizes of 1 m X 10 m (3 mm and 4 mm), 1 M x 15 M (2 mm).

### Method of Application

This application procedure is a standard guideline for using the 2, 3 & 4 mm membranes only, which may slightly vary upon the site conditions & different application areas. For details, consult Dr. Fixit Technical Team.

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#### 1 SURFACE PREPARATION

Clean & remove dust, dirt, loose particles and unsound substrate. Make surface smooth, even & free from local depressions with polymer-modified mortar.

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#### 2 PRIMING

Apply one coat of a bitumen based primer **Dr. Fixit Torchshield Primer** on cleaned & leveled surface @ 4-6 sq. m/ litre /coat.

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#### 3 APPLICATIONS

- Unroll the Dr. Fixit Torchshield membrane after the primer has dried.
- Align the Dr. Fixit Torchshield Roll correctly & re-roll it in alignment before torching.
- Use gas burner to heat substrate & underside to softening points. When the embossing disappears, roll forward & press firmly against substrate to bond from the lower end towards the higher end.
- Keep overlap margin for a minimum of 100 mm.
- Ensure that a constant flow of bitumen is maintained across the whole width of the Roll and that a bead of bitumen is extruded from each edge which demonstrates that a good seal has obtained.
- All angles & abutments up stands should be sealed with extra care to ensure perfect bondage. Seal the edges well into grooves & protect with a Polysulphide sealant.
- Dr. Fixit Torchshield applied all over the terrace and finished with aluminum paint for non-foot traffic area. For foot traffic area, overlay with concrete screed mortar.



### Application tools and equipment

The tools and equipment required to apply Dr. Fixit Torchshield AG membrane include a gas torch with related gas cylinder, a knife for cutting the membrane to size, and a trowel with a rounded tip. Protective gloves and goggles are necessary when using the gas torch.

### Precautions & Limitations

- Any naked flame should be kept well away from gas cylinders.
- When ignited the Dr. Fixit Torchshield should be watched at all times.
- The torch should not be rested on finished roofing.
- Extreme care should be taken when working near combustible materials or items which might be scorched by the gas flame.
- Not to be applied in extreme cold climatic conditions (below 5°C).
- Not to be applied on damp/wet areas & areas subject to moisture restoration.
- Do not overheat the Dr. Fixit Torchshield membrane i.e. avoid heating when it starts smoking.
- The moisture content on the surface should not exceed 6% to overlay the membrane.
- Use of a bitumen based primer is a must. For better results, use Dr. Fixit Torchshield Primer.

### Technical Information

PROPERTIES	TYPICAL VALUES	TEST METHOD
Roll size	15 m X 1 m X 2.0 mm $\pm$ 1% 10 m X 1 m X 3.0 mm $\pm$ 1% 10 m x 1 m x 4.0 mm $\pm$ 1%	EN-1848-1
Thickness	2 mm/ 3 mm / 4 mm $\pm$ 5%	UEAtc M.O.A.T.30
Unit weight kg/sq.m.	2.6-3.6- 4.8 $\pm$ 10%	UEAtc M.O.A.T.30
Elongation at break	L- 2% $\pm$ 15 T- 2% $\pm$ 20	EN-12311-1
Tensile Strength (N/5cm)	L -350 $\pm$ 150 T- 300 $\pm$ 90	EN-12311-1
Tear Strength	L- 180 N $\pm$ 50 T- 200 N $\pm$ 50	ASTM D-5147
Cold Flexibility (Up to 2°C)	No Crack	EN - 1109
Softening Point (°C)	$\geq$ 150	EN - 1110
Water absorption	$\leq$ 3.2 %	D 5147
Heat resistance (100 °C/2Hrs.)	No flow	UEAtc M. O. A. T. 30

### Storage

**Dr. Fixit Torchshield AG** should be stored under dry conditions and away from heat sources.

### Shelf Life

The shelf life is 36 months if stored as per the recommendations. Excessive exposure to sunlight.



### Technical support

**Dr. Fixit** offers comprehensive range of high performance, high quality waterproofing membrane systems. In addition **Dr. Fixit** also offers a technical support to specifiers and contractors, which include assistance with product selection and technical advice from staff, with unrivalled experience in the industry.

### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



Pidilite Industries Limited  
Construction Chemicals Division  
Ramkrishna Mandir Road, Post Box No. 17411  
Andheri (E) Mumbai 400059 INDIA  
Tel +91-22-2835 7000 • Fax +91-22-2835 7008  
www.drfixit.co.in • info@drfixit.co.in  
Dr. Fixit Advice Centre (Toll Free No.) 1800 209 5504

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