

# Dr. Fixit Torchshield AM 3160/4160



APP MODIFIED BITUMEN BASED MINERAL FINISHED MEMBRANES FOR WATERPROOFING

## Description

**Dr. Fixit Torchshield AM** are polyester reinforced, APP modified bitumen membranes, top surface is covered by a uniform layer of natural or coloured slate chippings and the underside is finished with a polyethylene film, has a lateral selvedge for overlapping are designed as a single layer for the installation of new or refurbished flat roofs (prefabricated structures, walk able or non walk able terraces or shed roofs) while also ensuring exceptional, proven performance. Dr. Fixit Torchshield AM can be used for exposed application or as a cap sheet in multi layer systems.

## Typical Applications

**Dr. Fixit Torchshield AM** membranes are intended for use as a single layer roof waterproofing system on new or refurbishment works direct to existing substrates. The self-finished mineral surface provides a decorative and solar protective finish for the waterproofing membrane system.

## Packaging

Dr. Fixit Torchshield Membranes are available in Roll sizes of 1 m X 10 m.

## Method of Application

### 1 SURFACE PREPARATION

All surfaces to receive Dr. Fixit Torchshield AM must be clean, dry and free from all contaminants that may affect the adhesion and performance of the membrane. Surfaces must be free of sharp projections and mechanical fixings must be well driven to prevent damage to the membrane. All surfaces must be primed with Dr. Fixit Torchshield Primer and left to dry completely prior to the application of the waterproofing.

### 2 APPLICATION

**Dr. Fixit Torchshield AM** membranes are applied by torch-on application using a standard roofer's torch. The membranes should be heated carefully ensuring the PE film on the underside is completely removed as work proceeds and to ensure adequate adhesion to the substrate. All laps should be properly secured in its lap joints, during application ensuring that a continuous 5 mm bead of bitumen is extruded from all laps. Side laps must follow the manufactured mineral free selvedge. In any case, side laps should be a minimum of 75 mm, with end laps of a minimum of 150 mm, when not using the granule-free roll end.

### 3 APPLICATION TOOLS AND EQUIPMENT

- The tools and equipment required to apply **Dr. Fixit Torchshield AM** 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.
- 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	10 M X 1 M $\pm$ 1%	EN-1848
Thickness	3 mm $\pm$ 5% 4 mm $\pm$ 5%	UEAtc M.O.A.T.30
Carrier (gms /m <sup>2</sup> )	160 gms /m <sup>2</sup> - Polyester	UEAtc M.O.A.T.30
Unit weight kg/sq.m.	3.8 - 4.8 $\pm$ 10%	UEAtc M.O.A.T.30
Elongation at break %	L - 40 $\pm$ 20 T - 60 $\pm$ 20	EN-12311-1
Tensile Strength (N/5 cm)	L - 700 $\pm$ 150 T - 450 $\pm$ 90	EN-12311-1
Tear Strength	L - 300 $\pm$ 50 T - 250 $\pm$ 50	ASTM D-5147
Cold Flexibility (Up to 2°C)	No Crack	EN - 1109
Softening Point (°C)	$\geq$ 150	ASTM E28
Water absorption %	$\leq$ 3.2	D 5147
LAP Joint Strength (N/5CM)	L - 700 $\pm$ 150 T - 450 $\pm$ 90	EN-12311
Resistance to Water pressure (5 bar/50M)	No leakage	UEAtc M. O. A. T. 30
Heat resistance (120°C)	No flow	UEAtc M. O. A. T. 30
Loss of chips	Max. 10 gm	UNI EN 12039

## Storage

- Store rolls upright in dry area.
- Store indoors in a ventilated area.
- Keep rolls protected from exposure to heat, sun, cold and moisture.
- Do not double stack rolls.
- Do not store rolls on their sides.
- Use care in the handling of the rolls.
- Do not overload the roof. Stagger the rolls across the roof. Avoid excessive weight in a concentrated area.

## 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.

\* Please check actual colour of material before ordering. Even though we have taken the maximum care during the printing process, the colours in the photographs are of course only indicative, and may appear slightly different from the actual mineral surfacing of the membranes.



The below shades are available in Dr. Fixit Torchshield AM 3160/ 4160 membrane



Black



Natural slate grey

**Other Products Categories available**

Dr. Fixit brings you the widest range of Construction Chemicals



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