

## Description

The SBS modified self-adhesive waterproofing membrane sandwiched with polyester reinforcement designed to provide excellent protection against water ingress for underground structures. It consists tough black polyethylene film on top and protected on the other side by silicone release film.

## Typical Applications

Dr. Fixit Samshield membrane can be used for waterproofing or damp proofing membranes intended for concrete protection. It may be used for horizontal and vertical application and as a dampproof course for tanking below ground structures, subways and retaining walls.

## Features

- Superior Waterproofing: The membrane offers exceptional resistance to water penetration, ensuring reliable waterproofing in a wide range of applications.
- High Tensile Strength: The polyester reinforcement enhances the membrane's tensile strength, tear resistance, and overall durability.
- Flexibility: The membrane exhibits excellent flexibility, allowing it to accommodate structural movements and temperature fluctuations without compromising its waterproofing integrity.
- Cold applied & Easy Application: The membrane is applied using self-adhesive method, offering versatility and convenience during installation.
- Ideal for any construction: New and repair works.

## Application Procedure:

### 1 SURFACE PREPARATION

A smooth, regular and dry surface are always must for good application. The substrate should be completely free of any protrusions or cavities. The presence of oily substances, frost or other moisture should be completely avoided. Repair any cracks or damaged areas with high performance polymer mortar prepared by using Dr. Fixit Super Latex.

### 2 PRIMING

Apply a suitable primer to enhance adhesion between the membrane and the substrate. Follow the manufacturer's instructions for the use of primer application.

### 3 MEMBRANE APPLICATION

Place the Dr. Fixit Samshield on the primed surface, peel off the protective backing not more than 30 cm at a time and firmly press the membrane onto the primed substrate with ensuring proper alignment. Start pressing from centre to side edges to avoid wrinkles or air pockets for a good adhesion with substrate.

### 4 OVERLAPPING AND SEALING

Overlap adjacent membrane rolls by the recommended amount (typically 100 mm) and overlapping edges, creating a watertight seal.

### 5 PROTECTION LAYER

Install a protection layer, such as insulation board or a suitable surfacing material, to shield the membrane from mechanical damage cause by back filling, earth moving equipment's or UV exposure.



## Technical Information

| PARAMETERS                        | RESULTS                                                                      | TEST METHOD   |
|-----------------------------------|------------------------------------------------------------------------------|---------------|
| Appearance                        | Black membrane with upper side polyethylene film and underside silicone film | DIN EN 1849-1 |
| Roll length (m)                   | 20                                                                           | EN 1848-1     |
| Roll width (m)                    | 1                                                                            | EN 1848-1     |
| Thickness (mm)                    | >1.5                                                                         | ASTM D5147    |
| Reinforcement (gsm)               | > 140                                                                        |               |
| Softening point (°C)              | > 100                                                                        | ASTM D36      |
| <b>Tensile strength (N/ 5cm)</b>  |                                                                              |               |
| Longitudinal                      | > 600                                                                        | ASTM D5147    |
| Lateral                           | > 450                                                                        |               |
| <b>Elongation (%)</b>             |                                                                              |               |
| Longitudinal                      | > 50                                                                         | ASTM D5147    |
| Lateral                           | > 60                                                                         |               |
| <b>Tear resistance</b>            |                                                                              |               |
| Longitudinal                      | > 420                                                                        | ASTM D4073    |
| Lateral                           | > 320                                                                        |               |
| <b>Puncture resistance (N)</b>    | > 260                                                                        | ASTM E154-88  |
| <b>Cold flexibility (at -5°C)</b> | No crack                                                                     | ASTM D5147    |
| <b>Hydrostatic pressure @5bar</b> | No leakage                                                                   | ASTM D5385    |
| <b>Water absorption (%)</b>       | < 0.3                                                                        | ASTM D5147    |
| <b>Working temperature (°C)</b>   | 0 to +100                                                                    |               |

## Packing

Roll size of 1 m X 20 m (1.5 mm).

## Shelf Life

The shelf life is 6 months, if stored as per the recommendations.

## Storage

DR. Fixit Samshield should be kept in upright position under covered shed subject not to direct sunlight. Also should not be kept within close proximity of any sharp or protruding edges to avoid puncturing or damaging the membrane.

## 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.

## Health and Safety

Dr. Fixit Samshield contains tacky bitumen compound and can adhere to human skin during application. Bitumen stains can be removed by using a cloth dipped in a solvent. In case the affected area is sensitive one, seek medical assistance immediately. Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards.

The aforementioned characteristics are based on practical experience and applied testing. Warranted properties

and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50% relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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