



Dr. Fixit Samshield P 1500/2000

SBS MODIFIED SELF ADHESIVE WATERPROOFING MEMBRANE

Description

Dr. Fixit Samshield P SBS modified self adhesive waterproofing membrane consists of a self adhesive polymer modified bitumen layer coated on to a tough high density polyethylene film and protected on the other side by a silicone release film.

Typical Applications

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

Features

- Cold applied self adhesive and easy to apply.
- Excellent adhesion to vertical and horizontal surfaces.
- Good tear and puncture resistance.
- Water and vapour proof.

Method of Application

1 SURFACE PREPARATION

A smooth, regular and dry surface is always a 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. Apply Dr. Fixit Torchshield Primer at rate of 4-6 Sq. Mtr/ltr. as a primer coat. The primer coat should be touch dry before the application of the membrane.

2 APPLICATION

The application temperature should be between 4°C to 35°C. The installation procedure is to be as follows:

1. Unroll only the required length and cut the piece to the desired shape and size.
2. Place the pieces of membrane on the area to be covered and check whether they match with the profile of the marked substrate.
3. Peel off the release film and carefully place the membrane so as to ensure a minimum 75 mm overlap and then smoothen the membrane from the centre to the edges in order to drive out entrapped air.
4. Place a protection board on top of the membrane soon after the application in order to prevent any damage from exposure to sunlight and backfilling.

Technical Information

PROPERTIES	VALUES	TEST STANDARDS
Roll Length (m)	10 ± 1%	DIN EN 1848-1
Roll Width (m)	1 ± 1%	DIN EN 1848-1
Thickness (mm)	1.5 2 ± 10%	DIN EN 1849-1
Coating mixture Softening Point *R&B), °C	> 105	ASTM D 36
Tensile strength Longitudinal. N/5cm	L - Min.150	ASTM D 5147
Tensile strength Transverse N/5cm	T - Min.120	
Elongation, (L&T) (to ultimate failure of rubberised bitumen)	L - Min.300 T - Min.300	ASTM D 5147
Peel Strength Primed Substrate	Min. 1 N/mm	ASTM D 1000
Self	Min. 1 N/mm	
Puncture Resistance (Membrane), N	Min. 150	ASTM E 154
Low temperature Flexibility	10°C No Cracking or Tearing observed	ASTM D 1970

Handling

Dr. Fixit Samshield P membranes are supplied in rolls of 1 m x 10 mtrs. The rolls are packed in loose corrugated boxes to avoid damage during transit or during storage at sites. Care should be taken when storing the membranes on sites and should not be kept within close proximity of any sharp or protruding edges to avoid puncturing or damaging the membrane.

Shelf Life

Dr. Fixit Samshield P membranes must be stored in a shaded area on wooden pallets neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight and UV rays. The membrane shall be protected from all source of heat.

The shelf life is 18 months if stored as per the recommendations. Excessive exposure to sunlight, UV rays and other source of heat will result in considerable deterioration of the product and reduce its shelf life.

Health and Safety

Dr. Fixit Samshield P 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.

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