

INTRODUCTION

Bitushield range of high performance waterproofing membranes are manufactured with selected APP and other polymers. The blend of these polymers imparts high chemical resistance and retards the process of ageing associated with UV exposure while at the same time retaining all the mechanical properties.

DESCRIPTION

It consists of a high performance APP polymer modified bitumen with high softening point and high penetration to make it ideal for waterproofing. The center cores of the membranes are made with 30, 50 and 90 microns thick HMHDPE films. The polymeric bitumen is coated on both sides with a 20 microns thermofusible HMHDPE film. The HMHDPE film is the reinforcement barrier against water and moisture.

ADVANTAGES

- a) Cold or hot applied and easy to install.*
- b) Excellent performance in vertical and horizontal surfaces.*
- c) Excellent resistance to chlorides, sulphates alkalies and acids.*
- d) Water and vapour proof.*

USES

Recommended for waterproofing of rooftops, basements, terrace gardens, bridges, swimming pools, reservoirs, below tiles on roofs and separation layers for agricultural fields and greenhouses.

APPLICATION

- 1. Surface must be clean and dry.*
- 2. Apply a coat of Apcon primer @ 0.3litre/sq mtr*
- 3. This should be followed by a coat of hot applied blown bitumen (85/25) grade @1.2 Kg/sq mtr*
- 4. Lay and press Bitushield on the hot bitumen.*
- 5. A minimum overlap of 75mm to 100 mm is needed between the two rolls of membranes to be sealed with blown bitumen.*
- 6. Bitushield is to be topped with screed or tiles as the case may be.*

STORAGE AND PACKING

Bitushield membrane should be stored horizontally and stacked not more than 5 rolls high. Each roll is individually packed in polythene sheets giving the product name and size.

TECHNICAL DATA

Product	Bitushield 20/20	Bitushield 20/20 SS	Bitushield 20/35	Bitushield 20/45	Bitushield 10/30	Bitushield 10/40	Bitushield 10/45
<i>Thickness MM</i>	0.5	0.5	1.00	1.5	2.00	3.00	4.00
<i>Weight Kgs.</i>	20	20	35	45	30	40	45
<i>Length x Width Mtrs</i>	20x1	20x1	20x1	20x1	10x1	10x1	10x1
<i>HMHDPE film center core</i>	30 microns	30 microns	50 microns	50 microns	90 microns	90 microns	90 microns
<i>Softening Point of polymeric compound</i>	>120°C	>120°C	>120°C	>120°C	>120°C	>120°C	>120°C
<i>Penetration at 25°C</i>	>25	>25	>25	>25	>25	>25	>25
<i>Cold flexibility at 0°C</i>	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks	No cracks
<i>Heat resistance at 100°C</i>	No flow	No flow	No flow	No flow	No flow	No flow	No flow
<i>Tensile strength [L/T]N/5cms</i>	140/120	140/120	140/120	140/120	140/120	140/120	140/120
<i>Elongation at break [L/t] %</i>	>300	>300	>300	>300	>300	>300	>300

Total Solutions For Waterproofing With Bituminous Membranes

This data is subject to change / modify time to time due to continuous improvement of the products. Test results are given as per the tests conducted in the lab. The test results may vary due to climatic conditions.

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