

RAINSHIELD ROOFING MEMBRANES

SCOPE

Rainshield range of Hi-Performance polymer modified Bitumen roofing membranes are manufactured using the latest state of art technology. The unique nature of this closely guarded technology involving processing at low temperatures affords protection to the elastomers in the blend with the result that the Rainshield range is tough yet flexible, unlike the conventional products generally available. The blend of block polymer and elastomers imparts high chemical resistance and retards the process of aging associated with Ozone attack and UV exposure while at the same time retaining all the mechanical properties.

CHARACTERISTICS

	Test method	Unit	Typical Values		
			RS 115	RS 210	RS 310
Thickness		mm	1mm	2mm	3mm
Weight		Kg/M	1.3	2.6	3.9
Length		Mtr	15	10	10
Width		Mtr	1	1	1
HD polyethylene (reinforcement)		Microns	15	25	25
HD polyethylene (upper surface)		Microns	15	15	15
HD polyethylene (lower surface)		Microns	15	15	15
Tensile strength	ASTM D-146	N/25mm	—	—	—
Longitudinal		—	117	142	158
Transverse			111	131	150
Ultimate elongation	ASTM D-146	%	800	800	800
Elongation of compound		%	1200	1200	1200
Cold flexibility	BS 3900:E1:1992	Deg. C	-5	-5	-5
Heat resistance	DIN52123 (85 ⁰ C)	Deg. C	No flow	No flow	No flow
Softening point	ASTM D-5	Deg. C	120	120	120
Penetration (compound)	ASTM D-5	mm	5.4	5.4	5.4
Water absorption	ASTM D-570	%	0.22	0.22	0.22
Accelerated Weathering Test 2000hrs QUV, B Lamps	ASTM G-53	—	No change in mech. prop.	No change in mech. prop.	No change in mech. prop.

USES

Rainshield membranes can be used for roof-inverted type, as damp proof course, below plain cement concrete, foundations, bridges, basements and underground jobs, waterproofing of swimming pools, tanks and reservoirs, water barrier in Murrabba slabs, waterproofing below tiled roofs, separation layer for agriculture fields, gardens, green houses etc.

ADVANTAGES

Ease of application and adaptability to the roof profile. High resistance to weather cycles and to tear. Excellent thermal stability at high temperatures and high flexibility even at low temperatures.

APPLICATION

Surface must be clean and dry. It is recommended that the Rainshield roofing membranes should be used in conjunction with cold applied adhesive Roofbond plastic roof cement. Side laps should always be 10cm and end laps 15cm.

STORAGE & PACKING

Membranes should be stored horizontally and stacked not more than 5 rolls high. Should be stored in closed area and stacked neatly. Each roll is individually packed showing the product name and sizes.

GENERAL INFORMATION

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure the product is suitable for the purpose for which he wishes to use it. The manufacturer reserves the right to change the above specifications without notice.

Technical consultancy is always available to ensure optimum specification and performance.



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