



HYDROSHIELD BAP 3000

**APP Modified Bituminous
Waterproofing Membrane
(With non-woven polyester
reinforcement)**

Ref. WP/MM-V1-0612

Description

Plastomeric waterproofing membrane modified with APP polymers and reinforced with nonwoven polyester. APP Modified membrane manufactured in advanced continuous calendaring process by saturating and coating synthetic polyester carrier with a waterproofing compound made of special grade of bitumen modified with APP polymer and fillers.

Uses

HYDROSHIELD BAP 3000 is used in protected roofing and waterproofing applications in a various applications. It is suitable for the damp proofing and waterproofing applications for slope and flat protected roof, wet areas and underground structures.

Advantages

- Easy application (by torch)
- High mechanical properties
- Absolute impermeability to water
- Excellent high temperature performance
- Excellent adhesion to any substrate
- High dimensional strength
- Environmentally friendly

Typical Properties

		UNITS	STANDARDS	AVERAGE VALUES	TOLERANCE
ROLL LENGTH		m	EN 1849	10	±1%
ROLL WIDTH		m	EN1848	1	±1%
THICKNESS		mm	EN 1841	3	±5%
SOFTENING POINT (B & RING)		°C	ASTM D 36	152	±15%
PENETRATION AT REINFORCEMENT	25	°C	ASTM D 5	20	20-25
	60			60	60-70
		gm/m ²	ASTM D 5147	160	max
LOW TEMPRATURE FLEXIBILITY		°C	ASTM D 5147	0±2	±15%
TENSILE STRENGTH	LONGITUDINAL	N/5cm	ASTM D 5147	800	±15%
	TRANSVERSAL		EN 12311 -1	500	±15%
ELONGATION AT BREAK	LONGITUDINAL	%	ASTM D 5147	40	±15%
	TRANSVERSAL		EN 12311 -1	45	±15%
TEAR RESISTANCE (Nail-Shank)	LONGITUDINAL	N	UAEtc	150	Min
	TRANSVERSAL	N	EN 12310 - 1	200	Min
DIMENSIONAL STABILITY	LONGITUDINAL	-	EN 1107 - 1	0.3	Max
	TRANSVERSAL			0.2	Max
WATER ABSORPTION		%	ASTM D 5147	0.15	Max
WATER IMPERMEABILITY AT 100 KPA		-	UNI 8202	Absolutely	-
		μ	EN 1928	Impermeable	
VAPOUR PERMEABILITY			UNI 8202/23	40,000	

Reinforcement polyester = 160 GSM

Direction for use

HYDROSHIELD BAP 3000 is usually applied by propane torch. The surface must be clean, dry, smooth and free from any irregularities. Apply Primer SB, a heavy duty bituminous primer over clean surface by brush or roller. HYDROSHIELD BAP 3000 can be applied to the substrate fully bonded, semi bonded or loose-laid. The side laps should be from 8-10 cm, while end laps should be from 12-15 cm. The underside of membrane should be torched just enough to melt the bitumen compound. Excessive heating may damage the reinforcement. Overlaps should be re-heated from top and resealed with trowel to ensure seam integrity.

Packaging

Supplied in 3 & 4 mm thickness.

Roll size 1 × 10 M



Storage and Shelf life

HYDROSHIELD BAP 3000 should be kept in an upright position in a flat, dry, properly ventilated & sheltered storage area.

Technical Service

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

Safety precautions

- Ensure that all persons should wear appropriate safety gear during working.
- Ensure that the area is marked as nonsmoking area during the application.
- Keep fire extinguisher near the waterproofing area.
- Avoid direct contact with hot equipment and materials.

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