



GARPLAST APP MODIFIED - MINERAL

ASTM D 6222 Type II, Grade G.

DESCRIPTION

APP Modified bituminous plastomeric waterproofing membrane specially blended to obtain excellent heat resistant, U.V resistance and cold temperature flexibility. Reinforced with a core spun bonded non-woven polyester carrier to obtain excellent tensile and lap joint strength, elongation, tear and puncture resistance. The polyester combines high tensile strength and elongation. The special polymer modifier used has great resistance to ultra-violet radiation. Surfaced with natural mineral granules (slate) on top and H.D.P.E Film at the bottom overlap sides.

FUNCTIONS

The APP MEMBRANE is used as double/single layer for waterproofing/damp proofing membrane for protection of various substrates in wide range of applications, such as Inverted Roofs & parapets, Terraces, balconies & patios, sunken slabs, bridges & tunnels, concrete foundations, tanking in basements, pile heads, swimming pools, airport aprons & ramp areas etc.

ADVANTAGES

- o High flexibility at low temperatures and stability at high temperature.
- o Positive barrier to water and dampness, and easy to apply
- o Excellent resistant to aging and weathering.
- o Remarkable resistance to aggressive attack of salts and chemicals
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- o High tensile strength and elongation.
- o Excellent tear and puncture resistance.
- o Ideal for exposed applications.

INSTRUCTIONS FOR APPLICATION

The membranes are install fully bonded or loose-laid by torch welding. Clean the substrate, and prime with Garprimer and allow drying naturally. Torching done by skilled labor, controlled so that only the PE film melt and the asphalt coating is softened sufficient to bond the membrane. All lap joints are smooth and sealed using a heated round-nosed trowel by applying the heat of propane gas flame to the trowel. In loose-laid applications, only the lap joints, areas around penetrations (pipes etc.), upstands and a 30 cm wide strip around the perimeter of the work are fully bonded. Upstands and flashings should be installed using 1 M wide pieces cut from the length of the roll. (The overlap joints should be 10 cm at the sides and 15 cm at the end).

COVERAGE

8.85 M²/ Roll (1M X 10M) for flat surface with 10 cm side laps and 15 cm end laps

HEALTH & SAFETY

Take all safety measures during application. Fire extinguishers should be available in the site. Labor should wear personnel protective tools such as gloves and goggles during application.

PACKING

Produced in rolls of 1 x 10 meters, special lengths are available upon request and so does surfacing of Aluminum, minerals slates, etc. The rolls are palletized and shrink-wrapped.

STORAGE & MATERIAL HANDLING

The rolls should always be stored vertically in a shaded area. Normally the pallets are not stacked one over the other. However, if a wooden board is used, two pallets may be stacked one over the other.



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منتج قطري
QATARI PRODUCT



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TECHNICAL DATA TABLE

PROPERTIES	UNIT	SPECIFICATIONS			TEST METHOD	
Roll Size	m	10 x 1			ASTM D 5147	
Nominal Thickness	mm	3.0 ± 0.2	4.0 ± 0.2	5.0 ± 0.2	ASTM D 5147	
Nominal Unit Weight,	kg/m ²	3.0	4.0	5.0	ASTM D 5147	
Softening Point (R&B),	°C	>150			ASTM D 36	
Penetration at 25 °C,	dmm	15 – 25			ASTM D 5	
Coating Asphalt Type	--	APP Mod. Asphalt			----	
Carrier (Non-woven Polyester)	g/m ²	180	200	250	UEAtc M.O.A.T. 30	
Tensile Strength, N/5cm @23+2°C	MD XMD	* N(kN)	800(16) 650(13)	900(18) 700(14)	1050(21) 850(17)	ASTM D 5147
Ultimate elongation, %@23+2°C	MD XMD	** %	50 50	50 50	50 50	ASTM D 5147
Tear Resistance, N:	MD XMD	*** N	400 300	650 550	750 600	ASTM D 5147
Lap Joint Strength, N/5cm @23+2°C	MD XMD	* N	800(16) 650(13)	900(18) 700(14)	1050(21) 850(17)	UEAtc M.O.A.T. 30 & 27
Load Strain Product:	MD XMD	* N	36,500 30,000	40,500 35,000	51,750 42,500	CGSB 37-GP 56 M
Static Indentation	-	L4	L4	L4	UEAtc 5.1.9	
Dynamic Indentation	-	I3	I3	I3	UEAtc 5.1.9	
Cold Flexibility at - 8	°C	No Cracking			UEAtc M.O.A.T. 30	
Heat Resistance at 120	°C	No Flowing			UEAtc M.O.A.T. 30	
Resistance to Water Pressure	--	No Leakage			DIN 52123	
Moisture Vapour Transmission Rate g/m ² 24hrs	%	≤0.6			ASTM E 96	

NOTE: *-----20 % Tolerance is expected in accordance to the standard.
 ** ----15 % Tolerance is expected in accordance to the standard.
 *** ---10 % Tolerance is expected in accordance to the stand

- Extra products and details provided upon request.
- All the rights to change the above values remains to **GAR WATERPROOFING & BITUMEN FACTORY** due to their constant improvements towards better and quality products.
- This publication automatically supersedes all previous publications relating to this product.
- The information and, the recommendations relating to the application and end-use of Gar products, are in good faith based on Gar's current knowledge and experience of the products when properly handled, stored, and applied under normal conditions in accordance with Gar's recommendations, and applicable specifications. However, no warranty or representation of law or act with respect to such information.



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AN ISO 9001:2015, ISO 14001:2015
 & ISO 45001:2018 Certified Company