

BUILDWRAP (EPDM)

Ethylene Propylene Diene monomer based membrane

DESCRIPTION : BUILDWRAP (EPDM) is a unique fleece backed heat seamable elastomeric membrane. The system based on Ethylene Propylene Diene Monomer has been proved to be a high performance, low maintenance product. EPDM membrane has been designed for adhering the membrane to the substrate with polymer modified bonding bitumen or mechanically splicing system. The system provides an excellent weathering characteristics. EPDM is a single component

APPLICATION

The Neoprene based adhesive bonded EPDM membrane is superior system for waterproofing of basement, flat roofs.

SALIENT FEATURES

- * **BUILDWRAP EPDM** Flexible and elastic rubber membrane, is chemically and thermally stable with exceptional weather resistance
- ❖ No change in strength or elasticity between -40°C and 120°C.
- ❖ Thermobond hot air splicing giving a seam that has the same elasticity & thermal behavior
- ❖ Fast & reliable installation.
Can be applied as single or double layer

INSTALLATION

Mechanically fastened BUILDWRAP EPDM installs quickly, securely & effectively on any substrate. Adjoining BUILDWRAP EPDM sheets are overlapped a minimum of 75mm & bonded with neoprene bonding material to form a watertight membrane. BUILDWRAP EPDM is installed solely by authorised applicator.. Membrane shall be able to resist 40mtr. head pressure, with tensile strength of > 11.3 mpa, elongation > 500% and water vapour diffusion of < 24'000 microns, Tear resistance to ASTM D624, Die C dimensional change < -0.7%. 100% UV resistance, Ozone resistance according to ASTM D1149,. The membrane shall be covered with the geotextile membrane for the protection of EPDM membrane to avoid to get membrane punctured while working further

In this case of waterproofing system, the membrane can take care of seismic forces and is stable against settlement of sub-base, this system is a loose laid type & an area over 800sqm can be completed in one day's time as because the membrane is available is larger width and length.

TECHNICAL DATA

Sr. No.	Physical Property	Typical Result	Test method
1.	Thickness, mm	1.55	ASTMD- 751
2.	Tolerance to normal thickness, %	+/-10	ASTMD 751
3.	Colour	Grey Black	
4.	Ozone Resistance* Condition after exposure to 100pphm Ozone in air for 168 hrs @ 34°C Specimen wrapped around 3" mandrel	No Cracks	ASTM D1149
5.	Breaking Strength, min (N)	1023	ASTMD 412 Grab method
6.	Heat resistance Properties after 4 weeks @34°C Breaking Strength, min, lbf (N) Elongation, Ultimate, min, % Linear Dimensional Change. Max, %	250 (1112) 200** +/-1.0	ASTMD-75 ASTMD 751 ASTMD 751 ASTM D 1204
7.	Brittleness Temp, max, deg C	-50	ASTMD 2137
8.	Tensile Strength, N/50mm	>1000	ASTMD 751
9.	Tearing Strength N Tongue Tear	300	ASTMD-751B
10.	Elongation Ultimate, min,% Grab Method	500	ASTMD-751
11.	Static Puncture Resistance, (N)	>1000	FTM 2031
12.	Hydrostatic Pressure Resistance, min,(psi)(Mpa)	440 (3.0)	ASTM D 751
13.	Resistance to aging & UV rays Xenon – Arc, 7560kJ/m² total radiant exposure at 70W/M2 rediance (80C) black panel temperature	No cracks No Crazing	ASTM D 4637
14.	Resistance to Water absorption % After 7 days immersion @ 70°C Change in mass, max, %	+8.0 -2.0**	ASTM D 471
15.	Vapour diffusion coefficient	< 24,000	ASTM D 624