ULTRAL **EPDM 150E**

EPDM Waterproofing and Vapor Barrier System

Conforms to ASTM-D 4637 and ASTM D 6134



ULTRAL EPDM 150E is a Ethylene Propylene Diene Monomer (M) weather proofing membrane designed for long-term performance waterproofing system application. ULTRAL EPDM 150E membrane is a lightweight, durable and weatherproof single-ply waterproofing membrane perfect for a wide variety of applications. Properly designed, installed, and maintained EPDM systems can successfully withstand extreme weather cycles. For more than 3 decades, ULTRAL EPDM150E have proven that it can withstand extreme temperature fluctuations and constant exposure to direct sunlight. Also, it has exceptional elasticity and will not split or crack under normal building movement.

ULTRAL EPDM offers proven long-term performance since decades. ULTRAL EPDM offers unobstructed waterproofing, unlike membranes that contain a reinforcing fabric that reduces the overall waterproofing layer .ULTRAL EPDM is one of the most sustainable and environmentally responsible roofing and building protection materials used today in the construction industry. Its successful track record of superior overall system performance results in low life cycle costs. EPDM offers excellent performance throughout the extended life cycle of the roof and building protection system. ULTRAL EPDM 150 has gained industry-wide acceptance and respect by providing immediate and long-term roofing solutions. As more emphasis is placed on the sustainable performance of building materials, ULTRAL EPDM continues to be the roofing and building protection material that stands the test of time.

Features

- Excellent Weatherability
- UV resistant and Highly Durable
- Impermeable to water
- Completely echo friendly, suitable for interior and exterior applications
- High resistance to ozone, weathering and abrasion
- Flexibility in low temperatures
- Superior resistance to extreme heat and fire
- Thermal shock durability
- Ultraviolet radiation resistance

Field of Application

- Building envelope and protection
- Façade and Curtain wall
- Substructure, Superstructure and Roof
- Skylights and expansion joints
- Storage facilities, bridges and tunnels
- Oil and gas & Infra projects

engineered to perform

ULTRAL EPDM 150E Conforms to ASTM D 4637

#	PROPERTY	TEST STANDARD	SPECIFIC VALUES
1	Thickness of the sheet		1.5 mm
2	Specific Weight,kg/m³		1.2
3	Tensile Strength, min, MPa	ASTM D 412	9.0
4	Tear strength, min, kN/m	ASTM D 624	35
5	Elongation at break %	ASTM D 412	350
6	Factory seam strength, Min, kN	ASTM D 816	9.1
7	Brittleness Temperature, °C	ASTM D 746	-45
8	UV resistance 168 hours at 45°C	ASTM D 1149	No cracks
9	Resistance to water absorption, Change in mass, max, after 172 hours immersion@70°C,%	ASTM 471	+8,-2
10	Resistance to out door (UV) weathering Xenon Arc, 7560kj/m² irradiance, 80°C black panel temp.	ASTM D 151	No cracks
11	Polymer (EPDM) content %	ASTM D 297	100
12	Water Vapor Permeability ,max, perms	ASTM E 96(Proc B or BW)	0.10

RESISTANCE TO HEAT AGING

(Properties after 172 hours exposure @118°C) ASTM D 573

1	Tensile Strength, min, MPa	ASTM D 412	9
2	Elongation at break %	ASTM D 412	205

SYSTEMS

- Mechanically fastened system combines sound & durable quality with simple and easy installation. Loosely lay the EPDM membrane on top of concrete roof. Then secure it with termination bar and fastener.
- Fully-adhered system conforms to the idea of fully bonded installation. It is recommended for irregular building configurations, slopes, walls, etc. Adhere the EPDM membrane directly to the smooth and clean substrate .
- Ballasted system is specially designed for low-storey buildings which have wide, flat roof decks and for supporting heavy loads. Loosely lay the EPDM membrane over the substrate. Then, cover the membrane with gravels
- Loose laid System for pond lining and lake waterproofing systems

PACKING

LENGTH :10 M/ 20 M ; WIDTH 1.2 / 1.5

STORAGE AND SAFETY

Store in a covered place and read ORGANIX MSDS of ULTRAL EPDM prior to the application

engineered to perform

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