

ULTRALEPDM

EPDM Waterproofing and protection membrane system

Conforms to ASTM D 4637 and ASTM D 6134

ULTRAL EPDM is a Ethylene Propylene Diene Monomer (M) weather proofing membrane designed for long-term performance waterproofing system application. ULTRAL EPDM 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 EPDM 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.

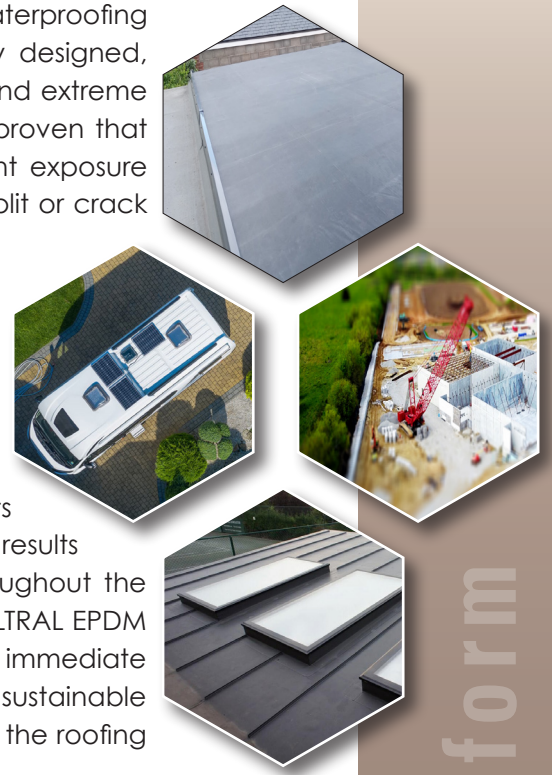
ULTRAL EPDM offers proven long-term performance since decades. ULTRAL EPDM offers unobstructed waterproofing, unlike membranes that contain a reinforcing fabric that reduces the overall waterproofing layer. ULTRAL EPDM is one of the most sustainable and environmentally responsible roofing and building 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 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 and thermal shock durability
- UV resistant and Highly Durable
- Impermeable to water
- Completely eco friendly, suitable for interior and exterior applications
- High resistance to ozone, weathering and abrasion
- Flexibility in low temperatures
- Resistant to plant roots
- Resistant to aggressive affect that may come from the soil
- Superior resistance to extreme heat and fire
- Compatible with most substrates (Concrete, Wood, Metal, Plastic etc)

Field of Application

- Building envelope and protection
- Roof of all types (loose laid, ballasted, and fully adhered) and terraces
- Façade and Curtain wall
- Building Substructure and Superstructure
- Podium, planters area and structural details of gardens
- Skylights and expansion joints
- Storage facilities, bridges and tunnels
- Oil and gas & Infra projects



engineered to perform

Ultral EPDM

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No	Properties	Test Standard	Specific Values
1	Thickness of the sheet	ASTM D412	2.3 mm
2	Specific Weight		2.9 kg/m ²
3	Tensile Strength	ASTM D 412	11 MPa
4	Tear strength	ASTM D 624	38 kN/m
5	Elongation at break	ASTM D 412	480 %
6	Factory seam strength	ASTM D 816	Mem.Repture
7	Brittleness Temperature	ASTM D 746	-55° C
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	≤ 0.86 %
10	Resistance to out door (UV) weathering Xenon Arc, 7560kj/m ² irradiance, 80°C black panel temp.	ASTM D 151	No cracks No Crazing
11	Polymer (EPDM) content %	ASTM D 297	100
12	Water Vapor Permeability	ASTM E 96	0.03 Perms

Resistance to Heat Aging

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

1	Tensile Strength, min, MPa		ASTM D 412	10
2	Elongation at break %		ASTM D 412	280

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 : 20 M: WIDTH 1.2 / 1.5 up to 6M (Customized factory seam)

Storage and Safety

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



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