ULTRAL **PVC 200**

PVC GEOMEMBRANE

ULTRAL PVC200 provides the ultimate finish and waterproofing to any Surfaces .ULTRAL PVC Geomembrane is a continuous polymeric synthetic sheet membrane based on PVC, which is very flexible and is used as a barrier for liquids or vapors. ULTRAL PVC200 designed for direct exposure to all global climatic situations.



Features

- Good Mechanical Strength
- Exceptional weatherability, strength, and puncture resistance
- Resistance to oil and chemicals
- Great strength and elongation
- Permanent pressure strength
- Excellent weldability
- Resistance to the effects of aggressive underground water
- Elasticity and flexibility in the cold
- Excellent resistance to perforation
- Resistance to penetration by plant roots
- Resistance to mechanical loading during the settlement of structures
- Health and environmental friendliness
- Reliable performance and long service life
- UV and Ozone resistance with high SRI value (≥95%)

ULTRAL PVC Geomembrane is designed for use as two-side built, usually single-ply waterproofing to protect buildings against ground moisture, sub-grade and underground water, certain liquids and radon. ULTRAL PVC Geomembrane is suitable for almost all types of environments with various levels of biological and chemical aggressiveness and with constant temperatures ranging from -40°C to +90°C.

The membrane also allows for the creation of sufficiently tight penetrations through the waterproofing layer and other detailing to ensure that it is consistently impermeable by radon. Used to make large areas waterproof, Geomembrane's have homogeneous width, are free from imperfections, tolerant to acids, bases and salts, besides being resistant against aging and environmental influences.
They can be applied over soil, due to their malleability and flexibility, but the soil should be plain and free from protruding elements.
All these qualities of Geomembrane make them become a versatile and viable option for use in various segments, such as:

Field of Application

ULTRAL PVC Geo membrane is used in mechanically attached and fully adhered roofing systems in new construction, re roofing and recover applications. It may also be used as flexible membrane flashing for walls, curbs etc, when installing PVC membrane roofing system. The system must be installed over acceptable roof insulation or other suitable substrate as per project specification and requirements.

engineered to perform

ULTRAL PVC200 Properties (conforms ASTM D4434)

No.	PROPERTY	TEST STANDARD	UNIT	SPECIFICVALUE
1	Thickness of the sheet	ASTM D 5199	mm	2.0
2	Weight	-	Kg/m²	2.82
3	Tensile strength at break Machine direction &Cross Machine Direction	ASTM D 882	N/mm²	26
4	Elongation at break, min. Machine Direction &Cross Machine Direction	ASTM D 882	%	450
5	Tear resistance, min	ASTM D 1004	N	88
6	Seam strength, min % of tensile or breaking strength	ASTM D 638	%	>90
7	Retention of properties after heart aging Tensile strength, min (% of original) Elongation, min (% of original)	ASTM D 3045 ASTM D 638 ASTM D 638	- % %	- >90 >90
8	Low Temperature Impact	ASTM D 1790		-40°C
9	Accelerated weathering test Cracking (7×magnifiction)Blistering Color change	ASTM G 26	--	None
10	Linear dimensional change, max.	ASTM D 1204	%	0.002
11	Change in weight after immersion in water, max.	ASTM D 570	%	0.20
12	Static Puncture Resistance	ASTM D 5602	--	Pass
13	Dynamic Puncture Resistance	ASTM D 5635	--	Pass
14	Fire Class	ASTM E 108	--	Pass
15	Soil Burial (max % of change) Break Strength Elongation at break	ASTM G 160	% % 	5 20
16	Ozone resistance	ASTM D 1149	--	No Cracks

All tests are carried out on statistical basis to ensure total long-term preservation o properties
All values given are subject to + 10% tolerance

STD. SIZE AND PACKING
Width: 2 m X Length 30m Roll
Material Service Life: Minimum 40 years. With 20 years warranty

engineered to perform

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