

VX Guardian EPDM is an EPDM synthetic rubber waterproofing membrane extremely durable. It's manufactured by an extrusion/calendering system and process of vulcanization. Membrane with a perfect homogeneity is obtained. The membrane has a textured surface by way of embossing that gives it a better adhesiveness both using cold adhesives and heat sealing.

APPLICATION

Membrane appropriates for all types of waterproofing in new constructions and/or rehabilitation of buildings and civil works. Roof covers, reservoirs, dams, façades, basement tanking, ornamental applications...

VX Guardian EPDM can be used in ballasted, adhered systems and inverted roofs.

PROPERTIES AND SPEC

- High elasticity.
- Great tensile strength.
- Fully waterproof.
- Temperature stable from -45 °C to 130 °C.
- Maintains its elasticity at low temperatures and resistant to temperature shocks up to 250°C.
- Excellent resistance to alkali rains.
- Resistant to UV radiation.
- 10 years minimum durability

Characteristic	EN 13956:2013 / EN 13967:2013	
	Test method	Value
Visible defects	EN 1850-2	Pass
Width	EN 1848-2	1.47-1.52 m (-0.5%, +1%)
Thickness	EN 1849-2	1.00, 1.20, 1.50, 2.00 mm (-5%, +10%)
Straightness	EN 1848-2	≤ 50 mm
Flatness	EN 1848-2	≤ 10 mm
Dimensional Stability	EN 1107-2	≤ 1 %
External Fire Performance	EN 13501-5	Broof (t1)
Reaction to fire	EN 13501-1	Class E
Watertightness (60 kPa)	EN 1928 (Method B)	Pass
Tensile Strength	EN 12311-2	≥ 9.0 MPa
Elongation at break	EN 12311-2	≥ 300%
Resistance to Static Load	EN 1928 (Method B)	≥ 25 kg
Resistance to impact	EN 12691	≥ 200 mm
Tear strength	EN 12310-2	≥ 20 N
Joint Strength: Tensile Shear Resistance	EN 12317-2	≥ 200 N / 50 mm
Joint Strength: Peel Resistance	EN 12316-2	≥ 25 N / 50 mm
Effect of liquid chemicals including water	EN 1847	Pass
UV Resistance	EN 1297	Pass
Durability (artificial ageing) (2 kPa)	EN 1296 EN 1928	Pass
Foldability at Low Temperature	EN 495-5	≤ -30 °C

PACKAGING AND STORAGE

- Proper handling. Keep the product protected from mechanical aggressions.
- Store away from ignition sources and open flame.
- Store in a dry place and protected from rain, sun and low temperatures.
- Store in its original packaging and in a horizontal position.
- Keep the rolls parallel each other on a firm and flat base.

ROLLS	HEAT SEALED MODULES
<p>For waterproofing of roofs, basement tanking or reservoirs and dams:</p> <p>1.50 x 20 m</p> <p>Thickness: 1.50mm</p>	<p>Large: 30 metres.</p> <p>Width: 3, 4.5, 6, 7.5, 9, 10.5, 12, 13.5 and 15 meters</p> <p>Thickness: 1.50mm</p> <p>Until 1000 m² of surface.</p>

INSTALLATION

The installation of VX Guardian EPDM waterproofing should be performed by experienced installers and employing appropriate systems accessories. Avoid high humidity conditions. Substrates need to be clean, dry, smooth and free of sharp edges, foreign materials, oil, grease and other materials that may damage the membrane.

Installation on adhered system:

- Used as a waterproofing monolayer membrane.
- The joints between sheets are made using AC-221 CIDAC glue, tape unvulcanized rubber or heat sealing tape.
- In the perimeter details it is common to use special metal pieces.

Installation on systems with gravel or pavement protection:

- The membrane is loose and fixed only to the perimeter.
- The ballast weight has to provide the necessary resistance to wind suction forces.
- Sometimes separating layers are necessary to prevent incompatibilities between the insulation and laminated for roofing.

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Consult with the Technical Department of Vexcolt if you need additional information.

QUALITY CERTIFICATION



Our product VX Guardian EPDM has obtained the CE Marking according:

- EN 13956: Roofing systems.
- EN 13967: Basement tanking.
- EN 13361: Waterproofing in reservoirs and dams.



Also, VX Guardian EPDM has a plus in certification of quality, the Certificate "Marca N" of AENOR for applications in roofing and basement tanking.