

Estoproof EPDM

Waterproofing EPDM sheet Rubber Membrane

Description

Estoproof EPDM is 100% EPDM (Ethylene Propylene diene monomer) single ply roofing rubber membrane, a high-performance synthetic rubber compound that provide outstanding weathering characteristic and long life waterproofing system. Our EPDM sheet membrane has many variances thickness such as 1.2 mm, 1.5 mm, 2.0 mm and 3.0 mm. EPDM waterproofing sheet membrane are available in black and white color.

Uses

Estoproof EPDM is ideally used for :

- Roof
- Swimming pools
- Construction basements
- Tunnels, etc

Advantages

- Long life waterproofing product (min 20 years).
- Resistant to a wide temperature change from — 40°C to 130°C without cracking and peeling
- Environmentally friendly
- Excellent heat, Ozone and UV resistant
- Dark color carbon in EPDM black is the compound for UV protection giving reinforcing the membrane form UV and weathering exposure.
- Titanium dioxide pigment in EPDM white is typically used to reflect UV rays.

Standards Compliance

- **ASTM D4637**

Physical Properties

PROPERTIES	VALUE
Elongation at break,% EN 12311-2:2013	>300
Tensile strength, Mpa EN 12311-2:2013	>9.0
Tear strength EN 12310-2	>20N
Resistance to static load	>25kg
Water tightness EN 1928:2000	Watertight (Pass)
Tensile shear resistance, Mpa, EN 12317	>200N/50mm
Resistance to impact, EN 12691	>200mm
Outdoor (UV) 1000 hours @50±3C EN1297	excellent no crack (pass)
Temperature range	-40°C to 130°C

Application Instructions

Surface Preparations

New concrete on cementitious substrates should be at least 28 days old and dry surfaces existing concrete floors which required refurbishment must be prepared to ensure smooth surface, flat and strong adhesive bond between substrate and **Estoproof EPDM** membrane.

Substrate must be dry and free of contamination such as oil, grease, loose particle etc.

Type of Applications

A. Mechanically fastened Systems

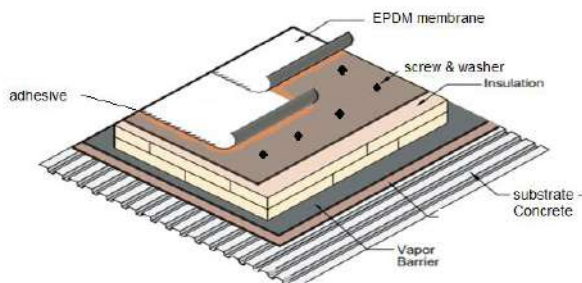
This is simple and easy applications system since no need to remove existing waterproofing system loosely lay **Estoproof EPDM** membrane on the top of existing concrete substrate. It must be secured using termination bar and fastener (mechanical screw) in overlapping EPDM membrane, count with 5 screw per m². The overlapping should be made with 10cm overlap and should be bonded with Estobond AC 221 dosage 0.3L/m²

End side of the membrane should be applied with a EPDM sealant.

Mechanically-fastened assemblies are perfect for areas with moderate winds.

B. Fully Adhere bonded System

An fully adhered system provides the highest level of stability and uplift protection, plus a complete line of adhesives for high-wind areas.



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Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

Estoproof EPDM sheet layer must be adhered to the smooth and clean concrete surface. Overlapping should be made with 10 cm of each side and use adhesive. End side of the membrane should be applied continuous sealant, EPDM sealant.

For detail application please kindly check our methods application.

Packing & Size

Estoproof EPDM (per roll)	1.2 mm x 1.5 m x 20 m
	1.5 mm x 1.5 m x 20 m
	2.0 mm x 1.2 m x 20 m
	3.0 mm x 1.5 m x 20 m

Estobond AC 221	25 liter/pail
	1 liter/ pail

EPDM sealant	310 ml/ bottle ssg
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Dosage

Estobond AC 221	0.5 – 0.7 liter/m ² per coat surface area for fully adhered system
	non fully adhered system 0.3 L/m ² .

Technical Support

ESTOP offers a comprehensive range of high performance, high quality of waterproofing system product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on site technical assistance.

We can provide one waterproofing system, from vapour barrier (Estoproof 30), Insulation board XPS type (Technonicol carbonproof 300). For more detail please kindly contact our technical representative.

Storage

Estoproof EPDM membrane should be stored in original unopened packaging in dry conditions. **Estoproof EPDM** have a shelf life of 24 months. However, membrane shall be stored vertically and not stacked.