

CWC®SMARTSHIELD EPDM

EPDM Base Water roofing Roof and Pond Lining Membrane

Description

CWC®SMARTSHIELD EPDM is rubber based pre-fabricated membrane. It is a single ply membrane made of Ethylene-Propylene-Diene terpolymer.

Indicative Characteristics

Thickness	1.1 / 1.5 mm
Tolerance on nominal thickness, %, ASTM D 412	± 10
Tensile Strength, Min. (MPa), ASTM D 412	> 9
Elongation, Ultimate, Min %, ASTM D 412	300
Tear Strength, Min (KN/m), ASTM D 624	27
Ozone resistance – condition after exposure to 50PPHM ozone in air for 166 hours @ (40°C) at 50% Extension, ASTM D 1149	No Cracks
Resistance to water adsorption after 7 days immersion @ (70°C) change in mass, max %, ASTM D 471	< 8

Domains of Application

- Large flat roofs of concrete and metal sheets
- Terrace gardens
- Basements and podium waterproofing
- Any water retaining structure e.g. lakes, water reservoirs.

Method of Application

Surface Preparation

- The surface to be waterproofed must be completely cleaned and should be free from dust, oil, protruding ribs, nails etc.
- Any visible cracks/voids should be filled with **CWC®SMARTCRETE** mortar.
- Use **CWC®SMARTFLEX EPDM** for lap joint and adhering to concrete surface as and when required.

Advantages

- High tensile and tear resistance
- Elastomeric membrane with a good combination of high elasticity and tensile strength
- Retains its flexibility at low temperature (-45°C)
- Excellent resistance to UV and ozone
- Good chemical resistance
- Quick installation and environment friendly
- No maintenance required
- Low dead load on roof
- Withstands the movement in the structure due to its higher elongation property

Shelf Life & Storage

Several years from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

1.2 m X 30m ROLL, (3mx30m, 6mx30m are also available for bulk supply)

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

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