

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 un-opened, 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.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemical.in