

CCI NEOPROOF HDPE

Pressure-sensitive HDPE Waterproofing Membrane

Description

CCI Neoproof HDPE is prefabricated unique composite sheet membrane with thick HDPE film, pressure sensitive adhesive. **CCI Neoproof HDPE** can be installed on reasonably uniform, plain concrete surfaces for below ground waterproofing.

CCI Neoproof HDPE waterproofing membrane is designed to bond fully and permanently with poured concrete.

Various grades are available as per table given below:

CCI Neoproof HDPE 1.2 UVP preapplied self-adhesive	UV-protective layer; 1.2 mm thick
CCI Neoproof HDPE 1.5 UVS preapplied self-adhesive	Sand-finished protective layer; 1.5 mm thick
CCI Neoproof HDPE 1.2 PA post- applied self-adhesive	1.2 mm thick

Domains of Application

- ✓ Waterproofing of below grade concrete structure
- ✓ Protection of concrete foundation against water soluble aggressive chemicals
- ✓ Used as vapour-barrier membrane

Advantages

- ✓ High tensile and tear resistance
- ✓ Elastomeric membrane with a good combination of high elasticity and tensile strength
- ✓ Retains its flexibility at low temperature (-20°C)
- ✓ Forms an integral part of poured concrete
- ✓ Good chemical resistance
- ✓ Quick installation and environmental friendly
- ✓ Withstands the movement in the structure due to its higher elongation property

Indicative Characteristics

Thickness, mm, ASTM D3767	1.2, 1.5
Tensile strength, MPa, ASTM D412	27
Elongation, %, ASTM D412	500
Peel adhesion to Concrete, N/m, ASTM D903	1000
Puncture resistance, N, ASTM E154	1000
Permeance to Water Vapour transmission, m, ASTM D5385	70
Hydrostatic water pressure resistance at 7 bar	No leakage

Method of Application

Surface Preparation

The substrate surface must be sufficiently cleaned and free from any sharp projection during laying of membrane.

Horizontal Surface/PCC

The Substrate shall be smooth free from any loose aggregate and sharp pultruding elements. Curve and round surface must be avoided.

Vertical Surface

CCI Neoproof HDPE can be used for blind side waterproofing after using of guniting concrete or other suitable material to provide uniform surface. **CCI Neoproof HDPE PA** (post-applied) grade shall be used for vertical surface.

Membrane Installation

Lay the membrane by aligning it carefully and rolling to a convenient length. Lay the subsequent roll over the adhesive sleeve in such a way that it can be easily overlapped firmly by using a steel roller without much disturbance.

Important Note: Before selection of the membrane, consult the CCI Technical team for a detailed installation procedure.

Packaging

1.2 m × 30 m Roll

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.

Safety

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

Registered Office	Regional Office	Chennai Plant	Mumbai Plant
Office No. 210 Shah Heritage Commercial CHS Plot No. 9, Sector 48, Seawood Navi Mumbai – 400 706 Maharashtra, India Mobile: +91 93247 27785 E-mail: kashinath.bera@ccichemicals.in	'LAKSHMAN MANERE' Old No. 17/2, New No. 42/2, R Block 6 th Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: durai.murugan@ccichemicals.in	No. 1, Perumal Koil Street Azhinjivakkam Sriperumpudhur Thiruvallur – 602 105 Tamilnadu, India	Plot No. A-51 Taloja Industrial Area MIDC, Taloja Navi Mumbai – 410 208 Maharashtra, India