

# CCI NEOPROOF HDPE M

## High Pre-applied Pressure-sensitive HDPE Waterproofing Membrane Bond with Poured Concrete

### Description

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

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

### Uses

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

### Advantages

- ✓ Basement waterproofing protection to grades 1, 2 and 3 as defined in BS 8102:2009
- ✓ To provide a vapour and waterproof membrane in building and civil engineering structures
- ✓ Forms an integral bond to poured concrete by pressure-sensitive adhesive and remaining in place if settlement of the substrate occurs
- ✓ Inert product – no risk of a reaction with ponded waste prior to concrete being poured
- ✓ High tensile and tear resistance
- ✓ Elastomeric membrane with a good combination of high elasticity and tensile strength
- ✓ Good chemical resistance
- ✓ Quick installation and environmental friendly
- ✓ Withstands the movement in the structure due to its higher elongation property

### Standard Compliance

British Standard 8102:2009 – code of practice for ‘Protection of Structures against water from the ground.’

### Indicative Characteristics

Thickness, mm, Virgin HDPE	≥ 0.90
Thickness, mm, Virgin HDPE + Adhesive + Sand	≥ 1.20
HDPE Colour	White
Sand Colour	Off-white or White
Roll size, Width × Length, mm	1.2 × 20
Tensile strength (MD), MPa, ASTM D412	≥ 27
Tensile strength (TD), MPa, ASTM D412	≥ 27
Elongation at break (MD), %, ASTM D412	> 500
Elongation at break (TD), %, ASTM D412	> 500
Puncture resistance, N, ASTM E154	> 1000

**Clarification on property values:** The typical properties given above are derived from laboratory testing. Results derived from field applied samples may vary.

### 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 concrete surface should be fiat-finished and free from cavities and projecting ribs. All surfaces shall be dry and free from frost, surface laitance and contamination.

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

#### Horizontal Surface

Monolithic concrete blinding or mud slab is preferred. The blinding must be free of loose aggregate and sharp protrusions. An angular profiled blinding is recommended rather than a sloping or rounded substrate. The surface does not need to be dry. However, standing water must be removed and proper dewatering maintained during installation and until the structural concrete support is placed over the membrane.

### Vertical Surface

Use concrete, sacrificial plywood, masonry with flush leveled joints or other approved facing to provide smooth, level and even support to the membrane. In case of sacrificial plywood being used, the supporting board systems must be close butted to provide smooth, level which is not more than 12 mm out of alignment.

### Packaging

1.2 m × 20 m Roll.

### Shelf life & Storage

36 months 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](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

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