

CCI NEOPROOF DIMPLE M

HDPE Dimple Sheet

Description

CCI Neoproof Dimple M is a sheet which has a bubbly structure made from high-density polyethylene, high compressive strength, and resistant against chemicals and plant roots. **CCI Neoproof Dimple M** is a bubbly structure that creates an air gap between the wall and the soil.

Domains of Application

- ✓ Used for the draining of ground water and protection of the underground waterproofing system against damage caused by soil pressure.
- ✓ Used as a moisture barrier for concrete.
- ✓ Can be laid on the soil to obtain a clean surface on the base instead of lean concrete.
- ✓ Used to drain the water approaching the walls quickly.
- ✓ Enables the transmission of intense water to the drainage channels in the tunnels.

Advantages

- ✓ Resistant to chemicals and plant roots.
- ✓ Not harmful to the drinking water.
- ✓ Resistant to acid, alkali, oil and solvents.
- ✓ No deterioration under soil.
- ✓ Resistant to impact and mechanical damage
- ✓ Can be installed on damp and even wet substrates.
- ✓ Protects the waterproofing layer during backfilling operations.

Indicative Characteristics

Appearance / Colour	Black HDPE sheet
Thickness, mm, EN ISO 9863-1	8 ± 0.8
Compressive strength, (Short-term compression behaviour), kN/m ² , EN ISO 25619-2	~ 400
Reduction of impact sound, dB, (Hochschule Rhein Main)	up to 32

Dimple Height, mm	8
Mass per unit Area, g/m ²	400 ± 20
Tensile strength MD/CMD, kN/m, EN ISO 10319	~ 15.7 / 14.9
Elongation at maximum tensile strength, %, MD/CMD, EN ISO 10319	~ 52 / 47
Durability, EN ISO 13438	Durable for 100 years in natural soil with 4 ≤ pH ≤ 9 and soil temperature ≤ 25°C
Shore A Hardness, ASTM D 2240	> 20
Strain at compressive loading 1,008 h, % @ 100 kPa, (compressive creep) EN ISO 25619-1	< 4

Method of Application

In vertical applications, **CCI Neoproof Dimple M** is fixed to the wall with profiles in the subbasement level, the direction of the bubbles should be faced to the wall. Plates joints should be put in a minimum of 20 cm overlap. If desired, overlap parts of the plates are fixed to each other by hot air hand welding or glued insulated tape.

In horizontal applications **CCI Neoproof Dimple M** is laid to the ground, the direction of the bubbles should be faced to the ground. Plates joints should be put in a minimum of 30 cm overlap. If desired, overlap parts of the plates are fixed to each other by hot air hand welding or glued insulated tape. (ideal application temperature: +5°C, + 30°C).

Packaging

4 m × 20 m roll.

Shelf life & Storage

3 years from date of production, if stored properly in undamaged, un-opened, original sealed packaging.

Precautions

- ✓ The membranes have no health hazard when used with our standard application recommendations.
- ✓ **CCI Neoproof Dimple M** is not resistant against permanent exposure to weathering and UV-light.
- ✓ Rolls are to be kept in an upright position.
- ✓ Keep away from naked flame.

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 (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