

CCI NEOTHANE

Liquid Applied Polyurethane based Elastomeric Protective/Waterproofing Coating

Description

CCI Neothane is a single component, bitumen / coal tar-free high solid content liquid applied elastomeric polyurethane resin-based cold applied coating system. Ideally suited for waterproofing roofs, terraces, walls, basements and conforms to ASTM C836-95 and ASTM C898-95.

Domains of Application

CCI Neothane is formulated to provide an easy, fast, and sure system for waterproofing and protecting of new and old roofs, terraces, podiums, basement, swimming pool, planters, etc.

Advantages

- ✓ Can be applied by brush or roller
- ✓ On drying, **CCI Neothane** forms a seamless protective and waterproof membrane
- ✓ Being viscous, it does not sag when applied on vertical surfaces.
- ✓ **CCI Neothane** has excellent adhesion to dry as well as primed surfaces of concrete, tile, plaster, bituminous roofing felt, asphalt coating and metal.
- ✓ Cured membranes of **CCI Neothane** remain highly flexible even at extreme temperature range (-25°C to 120°C).

Technical Properties

Appearance of cured film	Black, Grey
Specific gravity @ 27°C	1.35 ± 0.1
Solid content, % (w/w)	> 95
Touch dry @ 27°C, 70 % RH	4 to 6 hours
Anti-root Property	Yes
Volatile Organic Compound (VOC), g/L	< 150
Application temperature, °C	2 to 40
Elongation at break at 7 days, %, ASTM D412	> 500
Tensile strength, 7 days, N/mm ² , ASTM D412	> 2.2
Initial cure at 27°C, for pedestrian traffic	Within 24 hours
Crack bridging capacity, mm	3 (Minimum)
Full cure, days	7
Theoretical coverage (WFT)	1.3 kg/mm ²

Method of Application

Surface Preparation

The surfaces to be applied should be dry, cleaned, and free from oil and grease. Loose particles should be removed and damaged spots repaired first. Cracks should be filled up using CCI Neocrete APW cement mortar which is recommended to improve the adherence of **CCI Neothane** membrane on the substrate as a primer coat. However, **CCI Neothane** can be directly used over cleaned, dust-free, sound concrete surface. Ensure the surface moisture is not more than 8% prior to application of coating / primer.

Mixing

CCI Neothane is a high-build coating system; therefore, some settlement may occur over a long storage period. To get a homogeneous mix, stir well with a slow-speed stirrer (300 rpm to 400 rpm) for 2 to 3 minutes before using **CCI Neothane**.

Application

CCI Neothane can be applied by brush or roller. Alternatively, it can be applied by a suitable spray gun or spread by a rubber squeegee. Additional layers must only be applied when the previous layer becomes dry. Recommended consumption of product should be followed.

For multiple coats, allow sufficient drying application (time gap between two coats – 8 to 12 hours) between coats. Wherever possible, apply coats at right angles to each other to achieve even thickness of coating. Recommended film thickness should be 700 microns to 1000 microns for normal waterproofing using 1 kg to 1.3 kg material. Higher thickness (1000 microns to 2000 microns) of coating is also used depending on site requirement.

Application Sequence

1. Surface preparation – Moisture checking and grinding
2. Application of Primer
3. Application of **CCI Neothane** in two coats
4. Protection of **CCI Neothane** coating and joint sealing

Packaging

25 kg Tins.

Storage & Shelf life

6 months from the date of manufacture when stored in unopened, original sealed and dry condition at a temperature range from +2°C to 40°C.

Precautions

- ✓ Store the material in the 2°C to 40°C temperature range in a shaded, cool place and keep it away from fire and any heated body.
- ✓ Clean all tools with MEK or any standard solvent before polymerisation starts.
- ✓ Do not keep left over material in open condition.
- ✓ Do not apply the coating if the rain is expected within 24 hours.
- ✓ Do not apply coating thickness more than 500 microns in one go. If the total coating is more than 500 microns, apply in multiple layers.

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