

# CCI NEOACRYLIC 55 L

## Fibre-reinforced, Elastomeric, Acrylic Waterproof Coating

### Description

**NeoAcrylic 55 L** is a ready-to-use, fibre-reinforced, elastomeric, super flexible, acrylic waterproof coating. It is easy to apply and forms a seamless waterproof barrier which is UV resistant and capable of handling light foot traffic. These properties along with its crack bridging ability make it ideal for waterproofing roofs and terraces, as an exposed waterproofing coat.

### Area of Application

- ✓ Waterproofing on building roofs and terraces
- ✓ Waterproofing on external walls
- ✓ Under-tile waterproofing in wet areas
- ✓ As white coloured, waterproofing coat will result in reducing heat load.
- ✓ General concrete repairs. Protection of concrete against corrosion, salt attack, etc.

### Advantages

- ✓ Highly flexible
- ✓ More than 200% elongation providing it capability to bridge cracks
- ✓ UV resistant, allows it to be used in exposed areas
- ✓ Tough to sustain light foot traffic
- ✓ Easy to apply – liquid applied membrane, just needs generous coats by using a roller or brush
- ✓ Suitable for new construction, over cementitious substrates, or over existing tiles on roofs
- ✓ Refrains development of fungus or microbes
- ✓ Low VOC

### Performance Parameters

Properties	Standard	Value
Appearance		White Thick liquid
Weight solids		55%
Elongation at break	ASTM D412:2016	≥ 200%
Tensile Strength, N/mm <sup>2</sup>	ASTM D412:2016	1.5 MPa
Water Absorption	ASTM D471:2016	Maximum 7%
Adhesion Strength, N/mm <sup>2</sup>	ASTM D4541:2017	> 1 N/mm <sup>2</sup>

Water ponding test, after 72 hours	ASTM D471	No water penetration through coating layer
Crack bridging	ASTM C836:1995	No cracks up to 2 mm
Accelerated weathering		Tested for 1000 hours to check effect of UV, rain and to other environmental conditions
Algae & Fungal Growth	ASTM D 5590	Passes
Solar direct reflectance	ASTM E 1980	99
Water Permeability	DIN 1048	Passes
Hydrostatic Pressure	DIN 1048	7 bar passes

### Standard Compliance

**NeoAcrylic 55 L** conforms to ASTM D412:2016, ASTM D471:2016, ASTM D4541:2017 and DIN 1048.

### Method of Application

#### Surface Preparation

Substrate should be sound, levelled, and clean without any bond inhibiting substance, like dust, dirt, grease, oil, laitance or loose particles.

Small hairline cracks should be repaired with CCI NeoLatex SBR.

Thick cracks must be cut open in a V-shaped groove and filled with mixture of CCI NeoLatex SBR, sand and cement. Let this mortar cure for 2 to 3 days before laying primer over it.

Corners of walls must be filled with angular fillet or optionally treated with flexible waterproofing tape CCI Neoproof Geo.

Ensure proper slope on flat rooftops to prevent water accumulation.

#### Primer Application

Apply a coat of CCI Neoacrylic P mixed with water in the ratio 1:1, as primer for good and long-lasting adhesion.

Wait for 2 to 3 hours after application of CCI Neoacrylic P.

Apply the second coat of **NeoAcrylic 55 L**, perpendicular to the first coat.

Allow the coat to dry for 96 hours, before allowing any foot traffic on the surface.

For areas subjected to traffic, protect **NeoAcrylic 55 L** with an additional coat of protective concrete screed / mortar.

#### Product Application

Apply the 1st coat of **NeoAcrylic 55 L** on the primed surface with roller or brush.

Wait for 4 to 6 hours to let the first coat dry.

#### Coverage

1.9 m<sup>2</sup> to 2.0 m<sup>2</sup>/kg per coat. For terrace waterproofing, apply a minimum of two coats of **NeoAcrylic 55 L**.

#### Precautions

Proper slopes must be maintained on flat rooftops to prevent any water accumulation. The substrate must be in SSD condition before application of primer.

All joints should be covered by angular fillet. Parapet walls should also be coated with **NeoAcrylic 55 L**, to give a seamless waterproof coat.

All corners, gaps, joints, protrusions, etc., shall be reinforced by CCI Neoproof Geo, and an extra coat should be applied. Make sure the applied coats do not get wet before complete curing.

Do not make any structural changes to the applied surface, as this may lead to puncture of the coating system, and the system would have to be laid again.

#### Limitations

If the surface has excess moisture, then there is possibility of blister formation as in case of all liquid applied membrane coating.

The product is suitable only for light foot traffic. Any vehicular traffic or movement of machinery or equipment can lead to puncture of the exposed membrane and cause leakage.

#### Packaging

20 kg buckets.

#### Shelf life & Storage

24 months from the date of manufacture when stored in unopened, original sealed condition in a cool and dry place away from direct sunlight.

#### Health & 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).

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: <a href="mailto:kashinath.bera@ccichemicals.in">kashinath.bera@ccichemicals.in</a>	'LAKSHMAN MANERE' Old No. 17/2, New No. 42/2, R Block 6 <sup>th</sup> Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: <a href="mailto:durai.murugan@ccichemicals.in">durai.murugan@ccichemicals.in</a>	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