



## NIPOCLAD ACRYLIC

### Liquid-Applied Polymer Coating

#### DESCRIPTION

*NipoClad Acrylic* is a water-based environmentally-friendly liquid applied acrylic polymer coating which can be used in a wide range of applications including:

1. Waterproofing
2. Vapour-proofing
3. Concealing unsightly hairline cracks
4. Sound Absorption
5. Anti-carbonation

#### RECOMMENDED USES

- Concrete substrates
- Metal substrates
- Clay roof tiles
- Refurbishment of old roofs
- Vertical wall

#### ADVANTAGES

- Water-based, non-toxic – registered as a GREEN product with Singapore Environment Council
- UV resistant
- Liquid applied acrylic elastomeric membrane
- Easy to apply
- Bridge cracks - a good sealant to fill building cracks
- Mould and Fungus resistant

#### APPLICATION – For Horizontal Surfaces

##### Surface Preparation

Ensure surface is clean from dust, oil, rust, grease, loose materials, moss etc.

Surface should be dry for homogeneous material quality.

New concrete must be cured for at least 28 days.

*NipoClad Acrylic* can be applied using brush or roller.

##### Priming

Dilute *NipoClad Acrylic* 3:1 with clean water as the priming coat.

Allow approximately 1 hour for priming coat to dry.

Where substrate is old and porous, prime twice.

##### Coating

Once the priming coat is dry, apply the 1 neat coat of *NipoClad Acrylic* at a rate of approximately 0.5kg per coat.

While it is still wet, embed the *Nipo Glassfibre Netting* into the wet *NipoClad Acrylic*.

Allow the coat to dry for 1 to 2 hours.

Once it is dry, apply the second coat of *NipoClad Acrylic* at right angle to the earlier coat to completely cover the *Nipo Glassfibre Netting*.

Apply a final coat of *NipoClad Acrylic* to achieve a thickness of at least 1.0mm. Allow to cure for 24 hours.

#### APPLICATION – For Vertical Surfaces

- Metal roofs
- Old roof tiles
- Metal gutters
- Existing or new external walls

Whilst every effort is made to ensure that the contents of this material is accurate and current, it is the user's responsibility to satisfy itself of the suitability of products for its own particular purpose. As the actual use by others is beyond our control, we do not provide any guarantee, implied or expressed, as to the effects of such use. No liability is accepted by Nipo International Pte Ltd, its staff and/or its distributors, for any loss or damage, direct or indirect, that may result from using the product, information or adopting recommendations and/or suggestions as actual conditions for use are beyond our control. This information is not to be construed as absolutely complete since additional information may be necessary or desirable for exceptional or particular circumstances. Dated July 2020

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**Surface Preparation**

Ensure surface is clean from dust, oil, rust, grease, loose materials, moss etc. Surface should be dry for homogeneous material quality.

Old concrete / brick walls – to remove peeling paints and jet washing.

Metal surface – to wire brush or abrasive blasting.

Timber surface – dry and free from oil residue.

**Priming**

Dilute *NipoClad Acrylic* 3:1 with clean water as the priming coat.

Allow approximately 1 hour for priming coat to dry.

Where substrate is old and porous, prime twice.

**Coating**

Once the priming coat is dry, apply the 1 neat coat of *NipoClad Acrylic* at a rate of approximately 0.5kg per coat.

Allow the coat to dry for 1 to 2 hours.

Once it is dry, apply the second coat of *NipoClad Acrylic* at right angle to the earlier coat.

Minimum 3 coats.

Application should be made at right angles to the earlier coat. Samples may be provided to Applicator to determine suitability of product on different surfaces.

**COVERAGE**

For 0.5kg of *NipoClad Acrylic*, it can cover about 1m<sup>2</sup> per coat.

Hence, a 20L (equivalent to approximately 25kg) pail can covers about 50m<sup>2</sup> per coat.

**PACKING**

*NipoClad Acrylic* comes in 20L pail and 200L drum.

**NOTES**

Actual Measurement may vary due to the condition of the substrate. This information is only a guide.

Special Colours are available on demand.

TYPICAL PROPERTIES	
Standard Colours	White/Grey
Drying Time	Approx 1 hour to dry Approx 24 hours to cure
Total Solid Content	Approx 65%
Water Resistance	Good
Water Penetration	Zero. No water penetration
Elongation	≥ 700%
Tensile Strength	Approx 1.3
Crack Bridging	No cracks @ 1-2mm
Feel : By Touch	Tacky when cured
UV Exposure 1000 hours	No change in colour, cracking, chalking, blistering or peeling decay & delamination

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