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October 2025

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Nicobond Water Based Epoxy Primer

- Use to prime smooth, dense and impervious surfaces such as terrazzo, glazed ceramics, quarry tiles, metal, sound paint coatings, porcelain tiles and flooring grade asphalt
- Two-component water-based epoxy synthetic dispersion primer and bonding bridge
- Non-flammable and non-corrosive and is suitable for dry and intermittently damp internal locations
- Suitable for priming wood and wood-based panels prior to indirect fixing of ceramic tiles with Nicobond cement-based tile adhesive
- Use to prime Nicobond DPMs when dried to restore the chemical bond prior to applying Nicobond ScreedPro smoothing compounds, between 3 and 6mm thick
- Essential if a Nicobond DPM has been applied for greater than 36 hours
- Suitable for use in conjunction with Underfloor Heating Systems (UFH) when following manufacturers guidelines



The product listed above, when used as intended, is NOT covered by a harmonised standard (hEN) or a European Technical Assessment (ETA) and therefore cannot be CE Marked for this use, and as such does not have to be accompanied by a Declaration of Performance (DoP)

Application Data

COLOUR	Light Blue
MIXING RATIO	5.0kg (hardener/filler) to 1.0kg (resin)
MIXING	This product is supplied in the exact proportions, and all the material must be fully mixed. Mix with a slow speed electric drill and a suitable mixing paddle until a uniform light blue colour is achieved
CONSISTENCY OF MIX	Low viscosity primer
BED THICKNESS	Apply a thin even coat using a foam or short pile paint roller or paint brush, avoiding allowing the product to pool
COVERAGE	5 to 10m ² per kg of mixed primer, depending on the surface to be primed and the method of application, i.e. 30 to 60m ² per 6.0kg unit
POT LIFE	Approximately 60 minutes at 20°C
SETTING TIME	Approximately 3 to 6 hours, typically 4 hours at 20°C
INSTALLATION TEMPERATURE	5°C – 30°C
IN SERVICE TEMPERATURE	-20°C to 70°C
SHELF LIFE	At least 12 months from date of packing when kept clear of the ground and stored under dry conditions in unopened packaging. Protect from frost
PACKAGING	6kg unit consisting of 5kg of resin and 1.0kg hardener component in plastic containers

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BRITISH STANDARDS AND GUIDELINES:

All aspects of any installation of the Nicobond ScreedPro range of products must be carried out in compliance with the directives of the relevant British Standard requirements of BS8203, (Installation of Resilient Floorcoverings), BS 8204, (Screeds, Bases and In-situ flooring), BS5325 (Installation of Textile Floorcoverings) and BS5385 codes of practice for wall and floor tiling. With reference also to the Contract Flooring Association Guide to Contract Flooring, and The Tile Association guidelines.

DESCRIPTION:

Nicobond Water-Based Epoxy Primer is a two-component, water-based epoxy dispersion primer and bonding bridge. It is non-flammable and non-corrosive.

USES:

Creates a strong priming/bonding layer on most common substrates, particularly smooth or dense surfaces. For interior use only in dry or intermittently damp locations. Recommended for floors with an effective Nicobond damp proof membrane (e.g., Nicobond DPM One Coat Membrane & Primer or Nicobond RAPID DPM One Coat Membrane & Primer). Acts as a primer and bonding bridge before applying Nicobond cement-based tiling products or ScreedPro smoothing compounds.

SURFACE PREPARATION:

Ensure surfaces are firm, clean, and free from dust, dirt, water-soluble materials, excess adhesive, polish, wax, grease, or any barrier to adhesion. Remove contaminants using mechanical preparation. For moisture-sensitive flooring, substrate must be dry ($\leq 75\%$ Relative Humidity, (RH)) and protected by a functioning damp proof membrane. Suitable for terrazzo, glazed ceramics, quarry tiles, porcelain, prepared asphalt, internal rigid, rust-free and clean steel floors, sound paint coatings, Nicobond DPMs, and traces of sound adhesive residues.

Suitable for priming wood and wood-based panels before indirect fixing ceramic tiles with Nicobond adhesives.

NOTE: In line with BS5385 sheets and boards that are subject to movement from changes in moisture content should not be used. Plywood and other wood-based sheets or boards should not be used for direct tiling. Overlay with Nicobond Tile Backer Board, Nicobond D-Mat 3L or Nicobond PlasticPly as per the latest Technical Data Sheet (TDS).

If the floor has already been fitted out with at least 15mm thick suitable plywood fixed at a minimum of 300mm centres according to The Tile Association guidelines, overlay with products as outlined above.

MIXING:

Nicobond Water Based Epoxy Primer consists of two liquid components – one blue (hardener and filler), one clear (resin). A 6kg pack comprises of 5kg of the blue component and 1kg of the resin. These are supplied in the exact proportions, and all the material must be fully mixed. Ensure that any 'hang up' left on the cuvette is scraped down into the other chamber. Mix with a slow speed electric drill and a suitable mixing paddle until a uniform light blue colour is achieved. If a reduced amount of material is required, the mixing ratio of the hardener/filler to resin ratio must be maintained to meet the recommended performance characteristics – adding more or less of each component will have a negative effect its performance.

The mixed primer has a working pot life of approximately 60 minutes. Avoid preparing more material than can be used within this pot life as unused material remaining after this time must be discarded.

APPLICATION:

Surfaces should be suitably prepared and clean prior to the application of the mixed primer. Apply a thin even coat of Nicobond Water Based Epoxy Primer using a foam or short pile paint roller or paint brush, avoiding allowing the product to pool. Allow to cure for approximately 3 to 6 hours, typically 4 hours at 20°C, depending on substrate temperature and ventilation. If in doubt leave overnight.

Once dried, the primed surface is ready for overlaying, however if left for more than 4 days or the film has lost its tackiness, a repeat application of the primer will be necessary.

COVERAGE:

5 to 10m² per kg of mixed primer, depending on the surface to be primed and the method of application, i.e. 30 to 60m² per 6kg unit. Do not exceed the maximum coverage of 60m² per 6kg unit i.e. 10m² per kg of mixed material. Nicobond Water Based Epoxy Primer as the primer must have sufficient thickness to ensure a continuous even film is formed across the entire primed surface.

CLEANING:

Mixing and application tools should be cleaned with water immediately after use as removal of the material will be difficult once it cures. Remove any splashes from skin before drying takes place, with warm soapy water. Avoid prolonged contact with the skin.



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The information contained on this data sheet is given in good faith. It is to the best of our knowledge true and accurate; however, it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.



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See Nicobond "Tiling Products: The Directory" or Nicobond "Flooring Systems the directory" for full details of our extensive range of tiling and flooring products and tiling solutions. Refer to the latest version of our Technical Data Sheets and Safety Data Sheets to ensure compatibility before use, these can be downloaded from our website www.ncnicobond.com

MANUFACTURER'S WARRANTY:

Nicobond products are covered by our lifetime warranty. Whilst we strive to ensure that any advice, recommendations, or information provided in our literature are accurate and up to date, we have no control over the conditions under which our products are used. It is therefore the responsibility of the end user to ensure that the product and its application are suitable for the intended purpose. No warranty is given, nor liability accepted, beyond the assurance that the product supplied will conform to our written specifications. End users must consult the latest version of the Technical Data Sheet and Safety Information Sheet prior to use, both of which are available from our website or upon request. If the materials prove to be defective due to manufacturing, they will be replaced or money refunded. We do not accept any liability for workmanship or any consequential loss or damage.

Nicobond Water Based Epoxy Primer for dense, smooth and impervious surfaces

Component A - UFI: GW80-Y0FS-R00D-U90W

Component B - UFI: 9090-G056-100V-HMM1

Email: technical@nicobond.com

COMPONENT A:

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

COMPONENT B:

Signal word (CLP) : Warning

Contains : bis-[4-(2,3-epoxipropoxy)phenyl]propane; oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Hazard statements (CLP) :

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):

P261 - Avoid breathing vapours, spray, mist, gas, fume, dust.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.



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