

Nico-lastic

Description

Nicobond Nico-lastic is a highly versatile, non slip, high strength and highly flexible, two component epoxy polyurethane reaction resin tile adhesive. Easy to mix and easy to apply, Nico-lastic is genuinely multi-purpose, providing excellent adhesion to a wide variety of wall and floor substrates in interior and exterior situations including swimming pools.

Uses

Nico-lastic can be used in areas of severe and demanding operating conditions such as airports, hotels, hospitals, schools and colleges and other commercial facilities. This may include installations subject to heavy traffic or where high fluctuations in temperature may be experienced. It can be used for bonding all types of ceramic, porcelain and mosaic tiles including large format thin tiles with or without reinforced resin/mesh backings. It can also be used to fix unstable natural stone such as green marble which has been coated with polyester and fibreglass backing, slate, moisture sensitive natural stones and moisture sensitive resin agglomerate or quartz tiles.

It's high flexibility and elasticity enables Nico-lastic to bond to a diverse range of substrates such as timber panels, metal surfaces in prefabricated bathrooms or Pods, suspended stainless steel swimming pools, kitchen work tops, PVC or fibreglass surfaces.

Nico-lastic conforms to BS EN 12004 which classifies the adhesive as an 'improved reaction resin adhesive with additional characteristics and reduced slip.

Features

- Excellent Adhesion
- Extremely versatile
- Ideal for use in swimming pools and wet rooms
- Highly flexible
- Tile on tile
- Internal and external applications
- Bond to fibreglass structures
- Ideal for Agglomerate tiles



Application Data

Colour	White
Consistency of Mix	Creamy Paste
Maximum adhesive bed thickness	5mm
Mixing Ratio:	Component A : 4.6 parts by weight Component B: 0.4 parts by weight
Coverage	Using a notched trowel at 3mm coverage 3kg\ m ² . Solid bed 5kg\ m ² .
Open Time	Approx 50 minutes at 23°C
Adjustability Time	Approx 1 hour at 23°C
Pot Life	Approx 1hr at 23°C
Walk on Time	24 hrs at 23°C
Ready for grouting:	Approx 24hrs
Ready for service	Full cure after 7 days at 23°C
Installation Temperature	10°C to +30 °C
Serviceable Temperature	-40°C to + 100°C
Resistance to Acids	Good
VOC content	Very low emissions – A+ (FR)
Packaging	5kg plastic containers

Performance

EN 12003	Shear adhesive strength:	≥ 2 N/mm ²
EN 12003	Shear adhesive strength after water immersion:	≥ 2 N/mm ²
EN 12003	Shear adhesive strength after thermal shock	≥ 2 N/mm ²



The specification shall be Nicobond Nico-lastic Tile Adhesive as manufactured by N&C Building Products Limited, 41-51 Freshwater Road, Chadwell Heath, Romford, Essex, RM8 1SP, England. Tel: 020 8586 4600 and shall be applied strictly in accordance with the Manufacturer's current data sheets and instructions.



Products for the Professional

Nicobond Nico-lastic Tile Adhesive

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Surface Preparation

Surfaces to be tiled should be rigid, dimensionally stable, have sufficient mechanical strength for the intended applied load, sound, clean and free from laitance, paints, salts, grease, dust and any contamination which may prevent adhesion.

Mixing

Nicobond Nico-lastic consists of two components; Part A (mixture) which is supplied as a paste in the base of the pail and Part B (catalyst) which is supplied in a sealed bag in the cuvette. Pour the contents of part B over part A in the pail ensuring the sachet is completely empty. The two components should be mixed thoroughly using an electric drill and paddle at low speed to achieve a uniform colour with a smooth texture. The low speed will avoid the mixture overheating which would reduce the working time of the Nico-lastic. Remember to mix around the sides and at the bottom of the container. Inadequate mixing will result in the material not curing properly. Do not attempt to make up part mixes. The Nico-lastic is now ready for immediate use.

Bonding of the Tiles

Apply the Nicobond Nico-lastic with a suitable notched trowel, ranging from the Nicobond 4mm Notched Trowel for mosaics to the larger 8mm notched trowel for larger format tiles. For large format tiles and panels with one side greater than 60cm spread a thin layer of adhesive on the back of the tile or panel as well as on the wall/floor surface.

To ensure a solid bed of adhesive, free from voids the back buttering technique should also be employed when laying external tiles, in swimming pools, high traffic and load areas, thin slabs, where vibration occurs and where high fluctuations of temperature can be anticipated.

Ensure the tiles are firmly bedded into the adhesive before it cures applying a consistent pressure to ensure full contact with the adhesive is achieved. Workability of the adhesive in normal temperatures and humidity is approximately 1 hour, higher and lower temperatures will shorten or extend this time.

Leave a space of at least 6mm around the floor perimeter and incorporate intermediate movement joints as required. Protect the tile installation from rain or ingress of water for at least 24 hours, full commissioning of the tiles takes place after 7 days.

Grouting

The joints between the tiles may be grouted after 24 hours using Nicobond Extreme Performance Starlike Grout or in less demanding situations Nicobond Flexible Grout Plus.

NOTE: Do not add lime, cement or water to the product.

Do not apply the product on moist surfaces or those subject to rising damp. Hardened Nico-lastic will need to be mechanically removed so ensure traces are wiped off and tools cleaned while it is still wet. The ideal temperature for application is between +10 and +30°C.

Tile Fixing

Tile fixing should be carried out in accordance with BS 5385 and BS 8000 Codes of Practice for the installation of wall and floor tiles. Movement joints should be inserted in internal corners, at floor perimeters and other locations as recommended in relevant British codes of practice.

For advice on tiling to different substrates refer to the N & C Nicobond Tiling Solutions brochure.

Shelf Life /Storage

Store out of direct sunlight. Protect from frost. Nicobond Nico-lastic has a storage life not less than 24 months if stored in original unopened containers.

Cleaning

Tools should be cleaned frequently in water to avoid the adhesive drying on. Residual adhesive must be washed off the face of the tiles before it dries.

CE Marking

Conformity of the product with the EN 12004 harmonised standard is reported in the Declaration of Performance CPR-IT203 according to the European Regulations of construction products (CPR- Construction Products Regulation No. 305/2011/EU) and tested by a notified European body according to system 3 certification.

Health & Safety Advice

PRECAUTIONS

During mixing and application of the Nicobond Nico-lastic the following precautions should be observed:- ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin during mixing and application. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. In case of accidents seek medical advice. Keep away from children.

The relevant Material Safety Data Sheet can be obtained from www.nichollsandclarke.com or directly from N & C Building Products Ltd at the address below.

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