

Product Data Sheet

Standard Set Flex

Description

Nicobond Standard Set Flex Adhesive – A single part, non-slip, polymer enhanced, standard setting, waterproof, flexible adhesive for fixing ceramic wall and floor tiles, porcelain, mosaic and natural stones in interior or exterior situations where a resilient bond is required.

Exceeds requirements of BS EN 12004

Uses

Nicobond Standard Set Flex Adhesive will bond to various substrates :-

Sand/cement screeds and rendering • Brick and blockwork • Tile backing boards, C.P. Board • Concrete • Plasterboard

When mixed with diluted Nicobond Enhancer 2002 can be used for bonding to: Plywood • Glazed surfaces • Flooring grade asphalt • Hard vinyl tiles. Timber floors must be prepared in accordance with BS 5385 and the N&C Nicobond Tiling Solutions brochure.

Features

Use to fix Porcelain & Marble and Stone

Use to fix Glass Tiles

Excellent initial grab - non-slip

Internal and external applications

Suitable for tiling swimming pools

Compatible with Under-tile heating

Application Data

Colour	White, Grey
Mixing Ratio	Mixing Ratio (water only) Approx 2.25 Vol powder to 1 Vol Clean water. (Approx 20kg to 5.2 litres water) Mixing
Mixing	For large quantities, use a Nicobond whisk in a slow speed electric drill and mix to a smooth consistency, use immediately.
Consistency of mix	slump resistance mortar
Bed thickness	Up to 10 mm.
Coverage	Notched trowel method 2- 2.25kg per m ² at 3mm thickness. Solid bed 4- 4.5kg per m ² at 3mm thickness.
Pot Life	Approx 5 hours at 20°C
Open Time	10 - 20 minutes at 20°C
Adjustability Time	15 - 20 minutes at 20°C
Setting time	Approx 18 – 24 hours at 20°C
Grouting After Fixing	Approx 18 - 24 hours at 20°C
Ready For Light foot Traffic	Approx 18 - 24 hours at 20°C
Installation Temperature	Minimum 5°C - 30 °C
Operating Temperature	- 20°C to 100°C
Packaging	20kg

EN 12004 Test Methods

EN 1308	Determination of slip
EN 1346	Determination of open time
EN 1347	Determination of wetting capability
EN 1348	Determination of tensile adhesive strength



The adhesive shall be Nicobond Standard Set Flex 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.



Nicobond

Products for the Professional

Nicobond Standard Set Flex Adhesive

October 2013

Priming

Sealing and Priming cementitious and other surfaces
– Use Nicobond Primer diluted with water.

Highly Absorbent cementitious surfaces and difficult substrates
– Use Nicobond Primer diluted with water and blended with the cement based product to be used.

Priming of interior gypsum based plaster and timber substrates
– Use Nicobond Universal Bonding Agent and Sealer.

Primers should be used in accordance with the manufacturer's instructions
– refer to Nicobond Primer data sheet.

Surface Preparation

Surfaces to be tiled should be rigid, dimensionally stable, sound, clean and free from laitance, paints, salts, grease, dust and any contamination which may prevent adhesion. It is recommended that any residual quantities of old adhesive be removed to expose approximately 80% of the original substrate, any remaining residues must have a cohesive strength to support the application of any Nicobond product..

Application

Wall Tiling - Thin Bed Method

Spread the prepared adhesive with the straight edge of a Nicobond Notched Trowel to a maximum depth of 3mm. Reverse the Trowel and comb the adhesive with the Notched Edge, ensuring that continuous horizontal ribs of adhesive are formed.

Wall Tiling - Thick Bed Method

Working up to the maximum bed thickness specified for the product spread the prepared adhesive with the straight edge of the Nicobond Notched Trowel. Reverse the Trowel and lightly comb the surface of the adhesive with the notched edge ensuring that continuous, horizontal ribs of adhesive are formed.

In areas of high moisture, or for exterior work, the solid bed fixing method must be used, i.e. no voids behind the tiles.

Floor Tiling Thick Bed Method

The mixed adhesive should be applied with the straight edge of the Nicobond Notched Trowel up to the maximum depth specified for the product. Lightly comb over the surface of the adhesive using the notched edge of the Trowel. Where tiles have deep keys or studs, spread adhesive onto the back of the tile to fill the keys or spaces between studs.

Bonding of the Tiles

Fix dry tiles immediately by pressing them firmly into position with a slight sliding or twisting action. Where appropriate, the adhesive can be spread both onto the surface as described above, and buttered on the backs of the tiles.

Whichever method is used, the tiles should be firmly tamped or pressed home to ensure solid bedding without voids, particularly on flooring installations. Floors should not be opened to traffic until the adhesive has hardened.

From time to time remove a tile to check that full contact has been made with the adhesive bed. Exterior installations must be protected from rain and frost until the adhesive has fully set. Where fixing is carried out in hot conditions, the finished tiling should be protected from direct sunlight to avoid premature drying.

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 Nicobond Tiling Solutions brochure.

Shelf Life

12 months in unopened bags from the date of packing.

Storage

This product must be clear of the ground stored under dry conditions. Protect from frost.

Cleaning

During application, any residual adhesive must be washed from the face of tiles before it sets.
Wash tools in water immediately after use.

Health & Safety Advice

Nicobond Standard Set Flex Adhesive is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. Nicobond Standard Set Flex Adhesive contains cement, contact with water causes an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes. Wear suitable protective clothing, gloves and eye/face protection. 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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