

#### Product Data Sheet

# Quickflex

#### Description

A cement based, single part, quick setting, waterproof, thin or thick-bed flexible adhesive for fixing ceramic wall or floor tiles, porcelain, mosaic and natural stones in interior or exterior situations where a resilient bond is required Suitable for walls, floors including under tile heating. Exceeds requirements of BS EN 12004

#### Uses

For use in situations of slight movement or where a resilient bond is required to: Sand/cement screeds and rendering, Brick and blockwork Tile backing boards e.g. Aquapanel, C.P. Board • Concrete When mixed with diluted Nicobond Enhancer 2002 can be used for bonding to :-Plywood • Glazed surfaces •Flooring grade asphalt • Hard vinyl tiles.

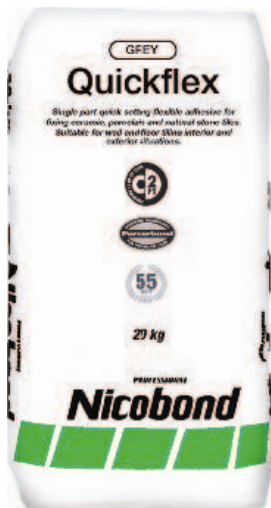
#### Features

- Rapid setting 2-3 hours reduces staining on natural stone products
- Thin or Thick bed adhesive
- Excellent initial grab - non-slip
- Internal and external applications
- Suitable for tiling swimming pools
- Compatible with Under-tile heating systems.

| 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 |

#### Application Data

|  |  |
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| Colour                                     | Grey & White   |
| Mixing Ratio (Water only)                  | Mixing Approx 3 volumes powder to 1 volume of clean water.   |
| Mixing Ratio (with Nicobond Enhancer 2002) | For every 100kg of powder, mix approx 12.5 litres of Enhancer and 12.5 litres of clean water and use as the gauging liquids. |
| 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 12mm   |
| Coverage                                   | Notched trowel method 1.5 - 2kg per m <sup>2</sup> at 3mm thickness. Solid bed 3 - 4kg per m <sup>2</sup> at 3mm thickness.  |
| Pot Life                                   | 30 - 45 minutes at 20°C  |
| Open Time                                  | 10 - 15 minutes at 20°C  |
| Adjustability Time                         | 15 - 20 minutes at 20°C  |
| Setting time                               | Approx 2 - 3 hours at 20°C   |
| Grouting After Fixing                      | Approx 3 hours at 20°C   |
| Ready For Light foot Traffic               | Approx 3 hours at 20°C   |
| Installation Temperature                   | 5°C - 30°C   |
| Operating Temperature                      | - 20°C to 100°C  |
| Packaging                                  | 20kg   |





**Nicobond**

## Products for the Professional

Nicobond Quickflex

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 How to Tile Guide.

### 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 Quickflex is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. Nicobond Quickflex contains cement, (contains Chromium VI), may cause an allergic reaction. 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](http://www.nichollsandclarke.com) or directly from N & C Building Products Ltd at the address below.

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