

## Specifications

<b>Classification</b>	BS EN 12004 C1FT
<b>Pot Life @ 20°C</b>	Up to 30 minutes
<b>Bed Thickness</b>	2-6mm
<b>Approximate Coverage</b>	<b>Walls:</b> 3kg/m <sup>2</sup> <b>Floors:</b> 4kg/m <sup>2</sup>
<b>Suitable Trowels</b>	<b>Walls:</b> Dry areas: 6mm round notches <b>Wet Areas:</b> 10mm tapering notches <b>Mosaics:</b> 4mm square notches <b>Floors:</b> 20mm round notches

## Suitable For Fixing Tiles To:

- Concrete / Power Floated Concrete
- Cement: Sand Screed
- Existing Vinyl Tiles/Flooring Grade Asphalt
- Existing Glazed Tiles
- Cement: Sand Render
- Plaster / Plasterboard

# NX Rapid Set Flexible Adhesive

## Fast Setting Cement Based Adhesive

---

### DESCRIPTION

NX Rapid Set Wall & Floor Tile Adhesive is a Grey cement-based fast setting tile adhesive suitable for fixing porcelain and ceramic tiles to walls & floors in interior and exterior areas. Suitable for thicknesses between 2mm and 6mm (Up to 15mm in small areas not exceeding 1m<sup>2</sup>). At 20°C, the tiles may be walked on and grouted after approx. 3 hours. Please note that the drying time will be extended at lower temperatures.

Conforms to classification BS EN 12004 C1FT.

### SURFACE PREPARATION

All surfaces should be dry, clean and strong enough to support the tiles to be fixed. Tiling substrates should be true and flat to permit fixing without visible lipping of tile edges. On floors, any gaps exceeding 3mm under a 2 metre straight edge should be corrected using NX 3-50mm Levelling Compound. This will be particularly appropriate where larger tiles or those with rectified edges are being installed. Porous or dusty surfaces must be sealed using NX Multi-Purpose Primer diluted 1:4 with water.

#### Concrete/Cement: Sand Screed

New concrete floors must be allowed to dry for a minimum of 6 weeks. Residual traces of laitance and curing agents should be mechanically removed before tiling commences. Screeds should be a minimum of 21 days old.

#### Cement: Sand Render

Must be at least 14 days old. New render should not be applied to new masonry walls until 6 weeks after the brick or blockwork has been completed. This allows for drying shrinkage to have taken place. In cold conditions these times will be extended.

#### Anhydrite & Hemihydrate (Gypsum) Screeds

These must be cured to their respective manufacturers' directions before tiling can begin. The surface must be free from laitance and primed using progressively stronger coats of NX Multi-Purpose Primer as follows: Diluted 1: 4 parts water. Allow to dry. Diluted 1: 3 parts water. Allow to dry. Diluted 1: 2 parts. Allow to dry.

#### Vinyl Tiles / Asphalt (internal only)

Must be sound & in good condition. Prime with undiluted Multi Purpose Primer & allow to dry.

#### Gypsum Plasterboard\*\*

Seal with NX Multi-Purpose Primer prior to tiling.

#### Gypsum Plaster\*\*

Must be sealed with NX Multi-Purpose Primer before tiling. If finishing plaster is polished, rub down to form a key before priming.

\*\*In wet areas or those of intermittent wetting such as shower areas, moisture sensitive backgrounds such as plaster should be waterproofed using a suitable waterproofing membrane.

#### Existing Glazed Tiles

Must be well fixed and able to support the additional weight of tiling. Thoroughly clean and degrease & allow to dry before brush applying a slurry bonding coat consisting of 2 parts adhesive: 1 part Multi Purpose Primer Allow to dry.

### MIXING

Into a clean pail add 1 part of cold water and gradually introduce approximately 3.5 parts of adhesive powder stirring to blend the mixed mortar to a smooth lump free consistency. The properly mixed mortar will be thick enough to hold the adhesive ribs without slumping. Mix only enough material that can be used within the pot life of the product which will be around 60 minutes – this will be extended in cold conditions and reduced in hot weather/ warm temperatures.

### APPLICATION

Using a suitably notched trowel spread the adhesive onto the fixing surface to form parallel ribs into which the tiles should be applied with a firm twisting action. Spread only enough material that remains workable and as such fully wets out on the tile backing. Solid-bed void-free fixing will be necessary on floors and in wet areas. Tile with deeply keyed back profiles may need to be back buttered. The adhesive is designed for thin bed fixing up to 10mm although in isolated areas it can be bedded out up to 12mm in thickness. Tiles may be grouted as soon as the adhesive bed is set. Under normal conditions this will be around 6 hours after fixing although this will be extended in cold conditions. Do not use below 5°C.

### COVERAGE

On true surfaces with small tiles <200 x 200mm on walls approx. 2.75kg per m<sup>2</sup> and on floors approx. 3.3kg per m<sup>2</sup>. With larger tiles >330 x 330mm on walls approx. 3.3kg per m<sup>2</sup> and on floors approx. 4kg per m<sup>2</sup>.

### STORAGE




Store in dry internal conditions away from direct sunlight between 5-35°C. The product has a 12 month shelf life from date of manufacture.



# NX Rapid Set Flexible Adhesive

## Fast Setting Cement Based Adhesive

### TECHNICAL ADVICE

For advice on tile installation products call the Palace Chemicals Technical Helpline on 0151 336 9104.

					
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool, L24 1YA <b>13</b>					
DoP - 82-68					
EN 12004:2007 + A1 2012 - C1FT Fast setting cementitious adhesive, for internal and external tiling					
Reaction to fire			Class E		
Release of dangerous substances			See MSDS		
Bond strength as:					
- Early tensile strength			≥ 0.5 N/mm <sup>2</sup>		
- Initial tensile strength			≥ 0.5 N/mm <sup>2</sup>		
- Tensile strength after 30 minutes open time			≥ 0.5 N/mm <sup>2</sup>		
Durability for:					
- High tensile adhesion strength after heat ageing			≥ 0.5 N/mm <sup>2</sup>		
- Tensile strength after water immersion			≥ 0.5 N/mm <sup>2</sup>		
- Tensile adhesion strength after freeze/thaw cycles			≥ 0.5 N/mm <sup>2</sup>		
Slip:					
- Slip			≤ 0.5mm		

**Causes Serious Eye Damage**  
**Causes Skin Irritation**  
**May Cause Respiratory Irritation**  
**May Cause An Allergic Skin Reaction**

Causes skin irritation. Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Avoid breathing dust. Wear protective gloves and eye protection. Wash hands thoroughly after handling. IF SKIN IRRITATION OCCURS: Get medical advice/attention. IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician. Dispose of contents/container in accordance with local/regional regulations.

PALACE CHEMICALS LTD  
 Speke Hall Industrial Estate  
 Speke, Liverpool, L24 1YA  
 Tel: +44 (0) 151 486 6101 Fax: +44 (0) 151 448 1982  
 Email: sales@palacechemicals.co.uk  
 Web: www.palacechemicals.co.uk

REFER TO PRODUCT AND SAFETY DATA SHEET FOR FULL DETAILS.



MADE IN THE UK

**GREY**  
**WEB LINK**

