



Flexible Universal Tile Adhesive

A Flexible Stone White Rapid Setting Cement-Based Adhesive
for use on Walls & Floors



BS EN 12004 Classification	Pot Life @ 20°C	Bed Thickness	Approximate Coverage	Approximate Mixing Ratio	Suitable Trowels
C2F	Up to 30 minutes	2-6mm	Walls: 3kg/m ² Floors: 4kg/m ²	Floors: 1 part water: 3.5 parts powder Walls: 1 part water: 3.5 parts powder Walls (Large format/ heavy tiles): 1 part water: 4.2 parts powder	<u>Walls</u> Dry Areas: 6mm round notches Wet Areas: 10mm tapering notches Mosaics: 4mm square notches <u>Floors</u> 20mm round notches

Suitable for fixing tiles to:

Concrete/Power Floated Concrete

Cement: Sand Screed

Calcium Sulphate Screed

Heated Floors

Existing Vinyl Tiles/Flooring Grade Asphalt

Existing Glazed Tiles

Overlaid Timber Floors

Cement: Sand Render

Plaster/ Plasterboard

Swimming Pools & Other Total Immersion Areas.

CE	
Norcross Adhesives, Harewood Street, Tunstall, Stoke-on-Trent Staffordshire, ST6 5JZ 13	
EN 12004: 2007 + A1 : 2010	
Improved fast setting cementitious adhesive with additional characteristics for internal and external tiling	
Reaction to fire	Class E
Release of dangerous substances	See SDS
Bond strength as:	
- Early tensile adhesion strength	≥ 0.5N/mm ²
- High Initial tensile strength	≥ 1 N/mm ²
Durability for:	
- High tensile adhesion strength after heat ageing	≥ 1 N/mm ²
- Tensile strength after water immersion	≥ 1 N/mm ²
- Tensile adhesion strength after freeze/thaw cycles	≥ 1 N/mm ²



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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 Floor Leveler**. This will be particularly appropriate where larger tiles or those with rectified edges are being installed.

Porous or dusty surfaces must be sealed with **NX Multi Purpose Primer** diluted 1: 4 with water.

SUBSTRATE	PREPARATION
CONCRETE/ POWER FLOATED CONCRETE	Must be a minimum of 6 weeks old. Power Floated concrete—brush apply a slurry bond coat consisting of 2 parts adhesive: 1 part Multi Purpose Primer & allow to dry
CEMENT: SAND SCREED	Must be a minimum 21 days old.
CEMENT: SAND RENDER	Must be at least 14 days old (21 days in total immersion areas). Blockwork must be at least 6 weeks old before render coat is applied.
ANHYDRITE/HEMIHYDRITE SCREED(GYPSUM) SCREEDS)	Dry in accordance with manufacturers recommendations. Mechanically remove all traces of laitance. Prime using progressively stronger coats of Multi Purpose Primer — 1: 4 with water: 1:3 with water & if still absorbent 1: 2 with water. Allow to dry between coats.
HEATED FLOORS	After tiling the heating should not be switched on for 14 days after which the temperature should be raised at a rate of 5°C per day to operating temperature. Undertile heating cables and mats should be encapsulated in a bed of NX 3-50mm Floor Leveller
VINYL TILES/ASPHALT	Must be sound & in good condition. Prime with undiluted Multi Purpose Primer & allow to dry
GYPSUM PLASTER/ PLASTERBOARD**	Seal with undiluted Multi Purpose Primer & allow to dry. Plaster skim + backing coat must be a minimum 4 weeks old. Plaster skim only at least 7 days old. Maximum weight limits are: Plaster = 20kg/m ² : Plasterboard = 32kg/m ²
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.
PLYWOOD OVERLAY ON EXISTING TIMBER FLOORS (WBP/MARINE GRADE)**	Plywood must be minimum 15-18mm thick and be screwed to existing boards and joists with staggered joints at 300mm centres and 150mm centres along board edges. Seal back, face & edges with undiluted Multi Purpose Primer & allow to dry. All timber construction must be adequately ventilated behind to prevent warpage of boards.

**In wet areas or those with intermittent wetting such as showers, moisture sensitive backgrounds such as plaster should be tanked using a suitable tanking membrane

Mixing

Into a clean pail add 1 part of cold water and gradually introduce the correct amount of adhesive powder to suit the surface and tiles being fixed (refer to mixing ratios overleaf) stirring to blend the mixed mortar to a smooth lump-free consistency. The properly mixed adhesive will be thick enough to hold the adhesive ribs without slumping.

Application

Using a suitably notched trowel spread the adhesive onto the fixing surface to form parallel ribs into which the tiles should be laid with a firm twisting action. Spread only enough material that remains workable and as such fully wets out the back of the tiles. Solid void-free fixing is essential on floors and in wet areas on walls. Tiles, especially those with deep keyed back profiles may need additional back-buttering to ensure solid bed fixing is achieved. Tiles may be grouted as soon as the adhesive bed is set. Do not use below 5°C.

Storage

Store in dry internal conditions away from direct sunlight between 5-25°C. The product has a 12 month shelf life from date of manufacture.

Technical Advice

For advice on tile installation products call **Norcros Technical Helpline** on **01782 524 140**

Norcros Adhesives, Harewood Street, Tunstall, Stoke-on-Trent, Staffordshire, ST6 5JZ,

Tel: +44 (0) 1782 524140: Website: www.norcros-adhesives.com

