



TECHNICAL DATA SHEET



FAST FIX FLEXIBLE ONE HOUR WALK ON TILE ADHESIVE

Date issued: May 15

Instant strength tile adhesive for fast access fixing



Features and Benefits:

- Brilliant White
- Very high early strength
- Grout over after one hour
- Polymer fortified flexi strength
- Fixes porcelain & vitrified tiles
- Suitable with under-floor heating

Fields of application:

- For internal & external use
- Bonds to plywood substrates
- For use in frequently wet areas
- Ideal where early access is needed
- Can fix light coloured stone & marble
- Minimises delay for follow-up trades

Technical Summary:

Appearance:	Water resistance:	Working time:	Setting time:	Coverage:
Brilliant white	For frequently wet areas	20 minutes	40 minutes	4.0 kg per m ² (floors)

Description:

FAST FIX FLEXIBLE Instant Strength tile adhesive is a brilliant white polymer fortified fast setting mortar based on a blend of high purity cementitious binders which develop extremely high early strength almost as soon as the adhesive paste loses its' workability. FAST FIX mixes readily with water to give a white easy to apply paste with a working time of up to 30 minutes* which then sets and hardens at a rate which allows floor traffic within one hour of application. FAST FIX has the ideal properties for fast track fixing especially where access is needed almost as soon as the tiles are laid. It can fix tiles over plywood & heated floors, is suitable for natural stone, porcelain & vitrified tiles and conforms to the requirements of EN 12004 C2FT

Surface Preparation:

The substrate must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. It must also be structurally sound and strong enough to support the expected traffic loading. FAST FIX can be applied to dry or damp surfaces however moisture sensitive materials must be dry and remain dry after fixing. Worn or porous surfaces should be sealed with TILERS PRIMER [SBR] diluted as 1 to 3 with water. FAST FIX can be applied to waterproof ply-board however composite panel-boards should be dry, sealed on all exposed faces and edges and primed using TILERS PRIMER [SBR]. Plywood and composite boards must always be waterproof rated; at least 15mm thick; screw-fixed at 300mm centres and rigidly braced to provide a dimensionally stable background as described in BS 5385. Applications over sub-floor heating should allow 28 days before switching the heat on. Do not apply onto bare, un-sealed gypsum plaster or anhydrite floor screed before first priming this type surface with two coats of neat ANHYDRITE PRIMER. * Note the working open time of FAST FIX adhesive will be reduced at elevated temperatures (> 25°C) and working practices should adopt the appropriate level of planning to allow fixing to proceed only whilst the adhesive remains wet & tacky.

Precautions:

Plan & pre-cut only the tiles that can be set in place within an area which can be tiled over & adjusted in no more than 20 minutes of mixing with FAST FIX adhesive and do not lay tiles over an adhesive bed which has lost its' "tacky to touch" feel. Instead scrape this up and re-apply fresh adhesive with a notched trowel and compress tiles into the bed to ensure 100% contact area is achieved with the tile back. All tile fixing should be carried out in accordance with BS 5385; Part 2 - 2015 – The Code of practice for the installation of Ceramic wall & floor tiles. Do not apply any cement based adhesive onto bare, un-sealed gypsum plaster or anhydrite flooring without it being sealed first and ensure movement joints are located at suitable intervals and perimeters around the tiled area.

Mixing & Application:

FAST FIX should be added to water in a clean container and mixed thoroughly to a slump-free, easily worked mortar. The recommended mixing proportions are approx **5 litres per 20kg sack** (2.5 litres per 10kg) mixed with a mechanical stirrer and allowed about 1 minute to body up before applying to the receiving surface. Use a notched trowel to give a ribbed mortar bed on the substrate, and fix tiles with a twist and slide action to ensure full 100% adhesive to tile-back contact. Use a 10mm x 10mm notch at 16mm centres for floor tiling. The position of the tiles can be adjusted up to 10 minutes after initial fixing. Open time of the exposed mortar bed is no more than 20 minutes and do not trowel out an area of adhesive greater than can be tiled over within a 10 minute period – see precautions.

Grouting:

Grouting may proceed as soon as 1 HOUR after fixing. This period however will be extended in cold conditions. In projects where an early grouted final finish is an essential requirement, COLOUR-LOCK FLEXIBLE MOULD RESISTANT WALL & FLOOR GROUT offers a further advantage for the fixer as this also sets in just 1 hour to give colour stable sealed tile joint of up to 15mm width and is suitable for tiles fixed over a timber plywood substrate

Coverage:

When fixing on a level, even floor surface using a 10mm notched trowel, FAST FIX will cover at a rate of about 4.0 kg per sq. mtr for heavy-duty, studded tiles. When applying wall tiles, the product will cover at about 2.5 kg per sq. mtr.

Technical Advisory Service:

Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

For a Technical Specification and quantity requirements, visit our 'TilersSpecifier' on the Palace website at <http://palacechemicals.co.uk/tiling-specifier/>

Restrictions:

Not suitable for use in very warm environments where the temperature is likely to exceed 30°C as this will significantly shorten the working open time of the adhesive.

Storage & Packaging:

FAST FIX ADHESIVE is supplied in 10kg & 20Kg multi-ply sacks and has a storage life of 12 months if kept in dry, un-opened conditions. Consult the FAST FIX ADHESIVE material safety data sheet for advice on handling and safety procedures.

Health & Safety:

Consult the product FAST FIX adhesive material safety data sheet for advice on handling and safety procedures.

Declaration of Performance:

The declaration of performance can be downloaded on the internet at <http://palacechemicals.co.uk/>

EN 12004 – C2FT-S1	
Improved, fast setting deformable cementitious adhesive with reduced slip	
Early Tensile adhesion strength	> 0.5 N/mm ²
Initial Tensile adhesion strength at 20 mins open time	> 0.5 N/mm ²
Initial Tensile adhesion strength	> 1.0 N/mm ²
Tensile adhesion strength after heat ageing	> 1.0 N/mm ²
Tensile adhesion strength after freeze thaw cycles	> 1.0 N/mm ²
Tensile adhesion strength after water immersion	> 1.0 N/mm ²
Deformation	> 2.5mm
Reduced Slip	< 0.5mm
Reaction to Fire	Class NPd

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



Palace Chemicals Ltd.
Speke Hall Industrial Estate, Speke, Liverpool L24 1 YA
Tel: 0151 486 6101 Fax: 0151 448 1982
Email: sales@palacechemicals.co.uk

