



EASI-FLEX FLOOR & WALL TILE ADHESIVE



Issue – EF29/1115

**WALL & FLOOR
ADHESIVE**

**WHITE IS IDEAL FOR
FIXING MOSAICS**

**SUITABLE FOR
HEATED SUB-FLOORS**

**SUITABLE FOR VITRIFIED
& PORCELAIN TILES**

Description:

EASI-FLEX is a standard setting cement-based, thin-bed ceramic tile adhesive, which conforms to BS 5980 Type 1 Class AA (BS EN 12004 Type C, Class 2TE-S1). Available in brilliant WHITE or GREY, for fixing all types of ceramic floor and wall tiles including porcelain, mosaics & glass tiles onto many typical surfaces including plywood and impermeable substrates without the need for PALAFLEX ADMIX. The Brilliant white version is particularly suitable for fixing translucent marble or glass tiles which may be affected by showing through any dark background. EASI-FLEX forms a strong bond with concrete, cement-render, concrete blockwork and brickwork. This will give improved flexural strength, and is suitable where under-floor heating is installed. EASI-FLEX can also be used to fix tiles directly to fully braced and secured plywood timber panels and is sufficiently water-resistant to be suitable for interior / exterior use, in swimming pools and locations which are subject to persistent dampness, e.g. showers, saunas, wet rooms and bathrooms.

Surface Preparation:

The substrate must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. They must also be structurally sound and strong enough to support the weight of the tiles being fixed. EASI-FLEX can be applied to dry or damp surfaces however moisture sensitive materials must be dry and remain dry after fixing. Worn or porous masonry surfaces should be sealed with TILERS PRIMER diluted as 1 to 3 with water. Wood -based surfaces, such as 15mm waterproof rated plywood and panel-boards should be dry, sealed on all exposed faces and edges and primed using TILERS PRIMER. They must always be rigidly braced and screw fixed at 300mm centres to provide a dimensionally stable background as described in BS 5385. Do not apply onto bare, un-sealed gypsum plaster or anhydrite floor screed before first sealing this type surface with two coats of neat TILERS PRIMER.

Mix Preparation:

EASI-FLEX should be added to water in a clean container whilst mechanically stirring and mixed thoroughly to give a soft, slump-free, easily worked mortar. The recommended mixing proportions by volume are 1 part water to 3 parts powder. The consistency of the paste can be adjusted with slight additions of water or powder at the initial mixing stage however part-used adhesive should never be "freshened up" with later water additions. EASI-FLEX will remain useable for about 4 hours and should not be applied in temperatures below 5°C. In ideal conditions (20°C), this thin-bed adhesive will set after about 12 to 16 hours. Expansion joints should be planned and installed in large floor areas in accordance with BS 5385.

Application method:

For fixing ceramic tiles or mosaics, use a notched trowel to give a ribbed mortar bed on the substrate of no more than 6mm, into which the tiles are firmly bedded with a twist and slide action to ensure full contact. Use a 3mm x 3mm notch at 6mm centres for mosaics and thin flat backed wall tiling, a 5mm x 5mm notch at 10mm centres for general wall tiling

and 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 approximately 20 minutes, depending on surface porosity and site conditions. It is recommended that tiles with raised or studded back profiles, (or in situations where dampness is likely after tiling), should be buttered to ensure solid bed fixing. Do not trowel out an area of adhesive greater than can be tiled over within a 10 minute period. Surfaces that are rough or uneven may first be levelled with SELF-LEVELLING COMPOUND and when sufficiently firm (24 – 48 hours later), is followed by an application of EASI-FLEX adhesive with a final bed depth of 2 to 3mm thickness. Maximum recommended bed depth is 6mm. When fixing moisture sensitive light coloured natural stone, a white fast setting adhesive should be used to promote early drying & strength development

Coverage:

When fixing on a level, even floor surface using a 10mm notched trowel, EASI-FLEX will cover at a rate of about 4kg per sq. mtr for heavy-duty, studded tiles. When applying wall tiles, the product will cover at about 2.5 kg per sq. mtr.

Grouting:

Grouting may proceed as soon as the tile bed is sufficiently firm, which for EASI-FLEX will be after 24 hours at room temperature. This period however will be extended in cold conditions. For wall joints up to 4mm wide use PALACE WALL TILE GROUT, however on flooring applications, joints of up to 20mm wide can be grouted using PALACE WIDE JOINT FLEXI FLOOR TILE GROUT.

Storage & Packaging:

EASI-FLEX is supplied in 20kg multi-ply, moisture resistant paper sacks and has a storage life of not less than 12 months if stored in dry conditions. EASI-FLEX contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the EASI-FLEX material safety data sheet for advice on handling and safety procedures.

Performance test data:

EN 12004 – C2TE-S1	
Improved normal setting deformable cementitious adhesive with extended open time and reduced slip	
Initial Tensile adhesion strength at 30 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	NPD

Technical summary:

Mix ratio:	Pot life:	Open time:	Final set:	Coverage:
5 litres with 20kg	4 – 5 hours	20 – 30 mins @20°C	16 hours	2.5 – 4.0 kg/sq. metre

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.

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS Ltd

Speke Hall Industrial Estate,
Speke; Liverpool; L24 1YA
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail: sales@palacechemicals.co.uk

