PREMIUM CTA

High Performance Ready Mixed Non-Slip Ceramic Wall Tile Adhesive

Technical Data Sheet

PROFESSIONAL TILING RANGE

CLASS D1T

Description:

A premium quality, off-white, ready mixed polymer based, non-slip, thin-bed tile adhesive. Conforms to EN12004:2007+A1:2012 Class D1T.

Features & Benefits:

- ***Superb grab.***
- ***Non-slip properties.***
- ***High spreadability.***
- ***Excellent bond strength.***
- ***Allows for repositioning of tiles.***
- ***Interior grade.***

Uses

PREMIUM CTA is suitable for fixing most types of ceramic wall tiles, including mosaics and vitrified tiles in internal locations such as bathrooms, kitchens and domestic shower areas (when used with a waterproof grout).

PREMIUM CTA has excellent grip properties, which reduces or eliminates the need for battens or spacers. Provides the user with an easy to apply, general purpose adhesive with spreading characteristics, which suit both the DIY and professional user.

Limitations

Unsuitable for use in swimming pools or other areas subject to constant water immersion, or with porcelain tiles. Not suitable for use with large format tiles.

Preparation

The substrate must be clean, structurally sound and free from dust, oil, grease and loose flaking coatings. The surface must also be sufficiently flat not to require an adhesive thickness of more than 3mm. Rough or uneven surfaces should be levelled with a suitable filler or plaster and allowed to dry prior to a 2-3mm application of PREMIUM CTA.

Porous surfaces should always be primed prior to application. PVA is not recommended. Products such as Bond It PRIMER & FLEXIBLE ADMIXTURE should be used.

- ***Plaster***: plaster must be dry and have enough time to develop adequate strength to support the weight of the tiles (at least 4 weeks). Tiles must only be fixed to a finish coat. Old or decaying plaster must be replaced and dusty or friable plaster must be coated with a bonding agent prior to application.
- ***Gypsum finishing plaster*** should be at least 4-6 weeks old, thoroughly dry and wiped clean of dust, efflorescence and loose flaking material. Porous masonry surfaces must be primed with Bond It PRIMER & FLEXIBLE ADMIXTURE. The maximum weight of tiles and adhesive on to plaster is 20Kg per m².
- ***Cement Render***: must be sound and dry and at least 2 weeks old before application.
- ***Sheets and boards***: All wood based surfaces should be dry, sealed on all exposed faces and edges and primed using a suitable primer. Timber boarding should be waterproof rated, 15mm thick and be screw fixed at 150mm centres to provide a stable background. All boards must be level, showing no edge protrusions and be fixed in place with a 0.5 to 1mm gap to avoid expansion stresses between the boards and around the wall perimeters.
- ***Painted Surfaces***: check the adhesion of the paint to the substrate, if loose the coating should be removed. Sound hard gloss paints are usually satisfactory but the surface should be scored to provide a key and reduce drying times. Emulsion paints, limewash or similar coatings must be removed.

Application

PREMIUM CTA should be applied using a notched trowel (5mm x 5mm @ 10-25mm centres) to give a ribbed bed on the wall surface, into which the tiles are firmly bedded with a twist and slide action to ensure full contact. Remove a tile occasionally to check on the standard of bedding being achieved. When fixing studded tiles use a trowel with larger and/or more closely spaced notches butter the tiles with adhesive before placing them on the combed bed. The position of the tiles can be adjusted up to 10 minutes after initial fixing. Do not trowel out an area of adhesive greater than can be tiled over within a 15 minute period (about 1m²). The final adhesive bed depth should be in the range of 2-3mm and grout joints should be at least 2mm, unless self-spacing tiles are used. Wipe any residue from tile face with a moist cloth and rake out excess adhesive from within the grout joints.

The spotting or blobbing method should not be employed to fix tiles. For tiles larger than 250 x 300mm, a cement based powder tile adhesive, such as Bond It CTA FLEXIBLE, should be used instead. When using a cement based tile adhesive directly on to plaster or plasterboard, it is necessary to use a suitable primer and sealer, such as Bond It PRIMER & FLEXIBLE ADMIXTURE or Bond It SBR ADMIXTURE.

Open Time
Open time of the exposed adhesive bed is approx. 15 minutes, dependant on conditions. Do not apply more adhesive than will be used during this period.

Drying Time
Final set will occur after 24-72 hours. However, drying times will be extended on impervious surfaces or with larger format tiles. PREMIUM CTA should not be applied onto walls affected by penetrating damp, or when room temperature is below +5°C.

Grouting
Grouting may proceed as soon as the tile bed is sufficiently firm, which depending on conditions can be from 24 hours after fixing on porous surfaces, such as plaster, or up to 3 days where tiles have been fixed to an impermeable surface such as existing tiles or waterproof boards.

Coverage
Depends on surface porosity and profile of tile back, however on a typical smooth plastered wall PREMIUM CTA will cover at a rate of 2-3Kg per m².

Cleaning
Tools should be washed with water immediately after use.

Container Size
7.5Kg and 15Kg recycled plastic tubs (30% PCR content).

Colour
Off-white paste.

Shelf Life
Minimum 12 months from date of manufacture when stored in original, sealed containers.

Storage Conditions
Store in dry conditions, out of direct sunlight. Store between +5 and +30°C. Protect from frost and direct sunlight.

Disposal of Containers
Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any tubs or used material to a central disposal point in accordance with local regulations.

Health & Safety
Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

UK CA 22 | CE 13

BOND IT
H4 Premier Way, Elland. HX5 9HF. UK

EN12004:2007+A1:2012

DoP: BDTA	**DoP: BDTA**
NB: 1289	**NB: 1289**

Normal dispersion adhesive with reduced slip for internal tiling.

Reaction to fire	Class E
Release of dangerous substances	See MSDS
Bond strength Initial shear adhesion strength	≥ 1.0N/mm²
Durability, for Shear adhesion strength after heat ageing	≥ 1.0N/mm²

Specification Summary

Flammability	Non -flammable
Appearance	Off-white paste
Application Temperature	+5°C to +30°C
Max Bed Thickness	3mm
Open Time	Approx 15 mins @ +20°C
Full Set Time	24-72 hours
Density	Approx 1.7g/cm³
Commodity Code	3816000000

Product / Order Details

Code	Colour	Size	Barcode	UFI
BDTA17	Off White	7.5Kg	5060021366221	-
BDTA18	Off White	15Kg	5060021366214	-

Part of the Bond It Professional Tiling Range

Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.

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ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
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