



Never compromise on quality!

Published: May 2007

CTA FLEXIBLE

Flexible Ceramic Tile Adhesive

Description

A white, cement based, flexible ceramic floor and wall tile adhesive with built in admix. Conforms to BS5980 Type 1: Class AA (Specification: BS EN 12004 Type C, Class 2.)

Uses

Bond It CTA FLEXIBLE is a white, cement based adhesive specially formulated to have enhanced properties of adhesion and flexibility for bonding fully vitrified and low porosity tiles, as well as glazed and porcelain mosaics without the need of an admix. It can be used with all types of ceramic tiles and mosaics in both interior and exterior applications, including swimming pools. It has a high initial grab which enables heavy wall tiles to be fixed without the need of battens and spacers.

Suitable for use with concrete, sand/cement screeds, blockwork and brickwork heated sub-floors, plywood, plasterboard and existing ceramic tiled surfaces.

Preparation

The substrate must be clean, structurally sound and free from dust, oil, grease and any other contamination that may prevent adhesion.

Concrete: allow at least 6 weeks drying time before laying tiles onto new concrete. Mechanically clean the surface and ensure all mould oil and curing agents are removed.

Cement/Sand render / screed: wood float finish and prevent rapid drying of the surface for 3 days (renders) or 7 days (screeds). Allow render to air dry for at least 2 weeks prior to tiling and 3 weeks for screeds.

Brick & blockwork: allow 6 weeks drying time prior to fixing.

Existing tiles: ensure the tiles are well adhered and can support the new tile bed. Thoroughly clean and rinse off the tiles prior to fixing. Use of a primer will be necessary when tiling over glazed tiles.

Mixing

CTA FLEXIBLE should be added to clean water to the ratio of 1 part water to 3 parts powder. Continually mix the powder with a mechanical stirrer to form a soft, slump-free, easily workable mortar. Pot life of mixed material is approximately 2 hours @ 20°C. The material should be applied at temperatures above 5°C.

Application

The mixed adhesive mortar should be applied to the substrate using a notched trowel 8mm notches (floor tiles), 5mm notches (for wall tiles) or 3mm notches (for mosaics). This will produce a series of parallel ribs of adhesive into which the tiles should be firmly bedded, with a twist and slide action to ensure full contact. On deep studded tiles or for fixing in wet locations, it will be necessary to 'butter' the back of the tile to achieve a solid bed. Open time of the exposed mortar bed is approx. 15 minutes, dependant on conditions. Do not trowel out an area of adhesive greater than can be tiled over within a 20 minute period.

Final set will occur between 8-24 hours. Clean off surplus adhesive with a damp cloth before adhesive sets. It is important that the tiles are left undisturbed for a minimum of 2 hours after fixing at normal room temperature. Do not use at temperatures below 5°C or in conditions of extreme heat.

Grouting

Grouting may commence after tiles are sufficiently firm to accept light foot traffic - approximately 4-8 hours after fixing. This will be extended in cold conditions.

Coverage

This will vary according to the condition of the substrate, method of application and back profile of tile. However as a guide a 20Kg bag will yield approximately 16L of mortar, equivalent to @ 5.5m² solid 3mm bed of adhesive.

Storage Conditions

Store in original, unopened sacks, off the ground, in cool dry conditions away from excessive draughts. Protect from frost. Use within 12 months of the date of packing shown on the bag.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Contains cement.

Risk of serious damage to eyes. Contact with wet product - or dry powder contact with body fluids, such as sweat, or eye fluid, may cause irritation, dermatitis or burns.

May produce an allergic reaction.

Wear suitable protective clothing, gloves overalls and eye and face protection. After contact with skin, wash off immediately with plenty of clean water.

Use a dust mask if excessive dust is unavoidable.

Keep out of reach of children.

In case of contact with eyes irrigate thoroughly with clean running water for at least 15 minutes and seek medical attention.

For further information, refer to the relevant health and safety data sheet.

Specification Summary

Weight of Fresh Mortar	Approximately 1.6kg/L
Working Time	Approximately 1.5 hours
Fixing Time	Approximately 15 minutes
Adjusting Time	Approximately 20 minutes

Container Sizes

Code:	BDCTAF
Size:	20 Kg

The data presented in this leaflet are in accordance with the present state of our knowledge, but do 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 express or implied, of the fitness or suitability of the products for a particular purpose.

