CTA FLEXIBLE
Flexible Water Resistant Ceramic Tile Adhesive

Description
A white, cement based, flexible ceramic floor and wall tile adhesive with built in admix. Conforms to EN 12004 Type C2 T E S1. Suitable for large format and porcelain tiles.

Uses
Bond It CTA FLEXIBLE is a white, cement based, thin and thick bed, standard setting, wall and floor tile adhesive. CTA FLEXIBLE offers properties such as; high grab, non-slip and flexibility making it suitable for use in areas subject to limited movement and vibration, internally and externally. Suitable for use with all types of ceramic floor and wall tiles, mosaics, porcelain, natural stone, marble and travertine tiles onto substrates including; underfloor heating, tile on tile and properly prepared sheeted timber. This product is particularly ideal for use with porcelain and light coloured tiles (ones which may be subject to staining) as it will prevent trowel marks grinning through. It is water resistant making it suitable for use in bathrooms, saunas and swimming pools. Conforms to EN 12004 C2TES1.
- Excellent bond strength and high grab.
- Water resistant.
- Flexible / non-slip.
- Suitable for ceramic, porcelain, vitrified and natural stone tiles.
- For internal and external use.
- Conforms to EN12004; Type C2 T E S1.

Preparation
All surfaces, including existing tiles, must be clean, structurally sound and free from dust, oil, grease, curing compounds, wax residues, paint and any other contamination that may prevent adhesion. Any separating agents must be removed. CTA FLEXIBLE can accommodate minor surface irregularities provided that the bed thickness does not exceed 6mm (up to 12mm in isolated areas).
Porous gypsum, aerated concrete and interior asphalt substrates should be primed with products such as Bond It PRIMER AND FLEXIBLE ADDITIVE (P&FA).
Plastered surfaces must be strong enough to support the combined weight of the tiles and adhesive. Allow 4 weeks for plaster to dry. Plaster and plywood must be primed with Bond It PRIMER AND FLEXIBLE ADDITIVE.
When tiling on vinyl tiles, check they are securely bonded and are free from polish, wax or other substances that may impede adhesion. Provide a key by rubbing with coarse sandpaper and prime with Bond It PRIMER AND FLEXIBLE ADMIXTURE. When tiling on substrates incorporating underfloor heating, turn off 48 hours before tiling and do not turn on for 48 hours after completion, from a low setting slowly increasing the temperature by 5°C per day.
Anhydrite/calcium sulphate screeds: should be sanded and vacuumed before priming with 2 coats of Bond It PRIMER AND FLEXIBLE ADMIXTURE and left to dry for 24 hours prior to application.

Mixing
20Kg of CTA FLEXIBLE should be mixed to 5L of clean water. Slowly add the powder to the water while stirring with a suitable slow speed drill or paddle. Never add more water to a mixture that has begun to set.

Application
Taking account of surface irregularities, use a suitable sized notched trowel that will give 100% coverage of adhesive to the back of the tile. Press and twist the tiles into place ensuring a minimum bead thickness of 3mm. For deep studded tiles, large format tiles or for wet areas, it will be necessary to butter the back of the tile with adhesive to improve adhesion. Remove and inspect the back...
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.

Grouting
Grouting may proceed only when the adhesive has cured sufficiently to accept light foot traffic. Depending upon conditions this is normally after approx. 12 hours. Cold or humid conditions will slow drying times.

Coverage
Coverage is dependant on application technique, substrate and type of tiles used. However, 20Kg of CTA FLEXIBLE will cover approx 6 - 7m² @ 3mm bed thickness.

Storage Conditions
This product must be stored in unopened manufacturers bag away from extremes of temperature and in dry conditions. This product must be used within 12 months of manufacture, before the date shown on the bag.

Cleaning
Tools should be washed with water immediately after use.

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

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

Specification Summary

<table>
<thead>
<tr>
<th></th>
<th>White</th>
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<tbody>
<tr>
<td>Bed Thickness</td>
<td>3 to 6mm</td>
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<tr>
<td>Pot Life</td>
<td>4 to 5 hours</td>
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<tr>
<td>Grout After</td>
<td>12 hours</td>
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<tr>
<td>Light Traffic</td>
<td>12 hours</td>
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<tr>
<td>Full Traffic</td>
<td>24 hours</td>
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Reaction to fire          Class E

Release of dangerous substances
See MSDS

Bond Strength
Initial tensile adhesion strength
$\geq 1\text{N/mm}^2$

Durability, for

Tensile adhesion strength after heat ageing
$\geq 1\text{N/mm}^2$

Tensile adhesion strength after water immersion
$\geq 1\text{N/mm}^2$

Tensile adhesion strength after freeze/ thaw cycles
$\geq 1\text{N/mm}^2$

Container Sizes

<table>
<thead>
<tr>
<th></th>
<th>BDCTAF</th>
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<tbody>
<tr>
<td>Code</td>
<td>BDCTAF</td>
</tr>
<tr>
<td>Size</td>
<td>20Kg</td>
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<tr>
<td>Barcode</td>
<td>5060021363565</td>
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</tbody>
</table>

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