TufBond TA

Chemical Resistant Epoxy Tile Adhesive and Tile Grout

Uses
Used as a chemical resistant tile adhesive and tile grout for ceramic, quarry tiles, etc. Also suitable as a multi-purpose adhesive for bedding and repairs.

Typical Applications & Advantages
- Waterproof and chemically resistant.
- Suitable for permanent or partial immersion in salt, fresh and chlorinated water.
- Dual-purpose bedding & grouting in a single operation.
- Excellent durability, service life as long as chemical resistant tiles.
- Suitable for new and refurbishment works.
- Excellent adhesion to steel, concrete, ceramic and quarry tiles.
- Non-toxic, non-absorbent hygienic finish when cured.
- Industrial kitchens and food preparation areas and bottling plants.
- Heavy-duty workshops, plant & battery rooms. Electrical substations.
- Hospitals and abattoirs.
- Swimming pools, quality bathrooms and fountains.
- Internal and external applications where an aesthetic, hard wearing, algae and chemical resistant tile grout is required.

Standards Compliance
TufBond TA complies with the requirements of the following standards:
CIRIA Technical Report 143

Product Description
TufBond TA is a three-component epoxy based tile adhesive and tile grout comprising of Part A, Part B & Part C. The combined system has excellent chemical resistance and does not promote the growth of algae. TufBond TA is ideal for single operation bedding and grouting of ceramic, quarry tiles, etc. TufBond TA is a blend of selected inert fillers combined with low viscosity, high-grade epoxy resins. Normally White and Grey colors are available. Special colors can be made available upon request and with minimum order quantities.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Specific gravity</td>
<td>1.60 @25±2°C</td>
</tr>
<tr>
<td>Pull-off strength</td>
<td>&gt;3.5 N/mm²</td>
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<tr>
<td>Compressive strength</td>
<td>73 N/mm² @ 7days</td>
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<tr>
<td>Tensile strength</td>
<td>18.1 N/mm² @ 7days</td>
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Technical Support
GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use
Surface Preparation: The surface to be tiled or the area to be grouted, must be structurally sound and free from dust, loosely adhered material, and plaster, cement droppings, grease oil etc. Substrate moisture content should not exceed 5%.

Mixing: Use a slow speed mixer to mix Part A & Part B initially and whilst mixing add slowly Part C to achieve the required uniform and optimum consistency. Once proper dispersion, uniform colour and consistency is obtained mixing as well as addition of Part C may be stopped. Do not over mix the material in excess of its normal mixing time and do not remix the material again.

Application: As an adhesive for bedding, apply a 3 mm screed over the floor area, for walls; a notched trowel may be used. For bedding as well as grouting, do not apply more material than can be used during the product’s pot life. As an adhesive or bonding agent, press the tiles with a slight twisting action, this will ensure full adhesive contact on the tile surface. For wall tiles fixing, start tiling from the lowest level and proceed upwards. Support may be required if tiling starts above floor level.

Where grouting is to be finished at the time of placement, increase bed depth to 5 mm and depress tiles until TufBond TA appears in the gaps between the tiles. Otherwise, apply the
TufBond TA using a spatula or small trowel once the tiles are fixed in position.

TufBond TA must be removed and cleaned from tools and the face of tiles whilst in its uncured condition i.e. before the product starts drying. Once cured or dried, only mechanical grinding will remove the grout. Use water, damp cloth/squeegee for cleaning. Good workmanship and attention to material consumption will reduce wastage and reduce the need for cleaning.

Coverage
Coverage rates vary according to the tile size, tile thickness, bed thickness, workmanship, etc.

Tile Grout
Typically for a tile size of 150mm x 150mm x 6mm and a joint width of 2mm coverage may be 0.25 litre/m².

Tile Adhesive
Typically a coverage rate of 3 litre/m² is possible for a bed thickness of 3mm.

Packaging & Storage
TufBond TA is supplied in 5 litre units comprising of three components Part A, Part B & Part C and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions
TufBond TA does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

For further information, refer to the Material Safety Data Sheet available for this product.

Important note
GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer’s responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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