

# **MATERIAL SAFETY DATA SHEET**



**Product: SUPER-GRIP TILE ADHESIVE**

**Code:** BDTA0 5/6/7/8

**Date of Issue:** August 2003

**Version:** 1

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## **1. PREPARATION AND COMPANY IDENTIFICATION:**

**Preparation Trade Name:** BOND IT SUPER-GRIP NON-SLIP TILE ADHESIVE

**Supplier:** Bond It

**Address:** Unit G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. ENGLAND

**Telephone:** (+44) 01422 315300

**Emergency:** As Above

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## **2. COMPOSITION/ INFORMATION ON INGREDIENTS:**

**Chemical Composition:** Acrylic resin dispersion.

<b>Substances With Recognised Exposure Limits</b>	<b>% or ppm</b>	<b>Risk Phrases</b>
Void		

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## **3. HAZARD IDENTIFICATION:**

**Hazard Designation:** void

**Information pertaining to particular dangers for man & environment:** void

**Classification System:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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## **4. FIRST AID MEASURES:**

**Inhalation:** Remove to fresh air and seek medical attention if irritation persists.

**Skin Contact:** Remove contamination with soap and water.

**Eye Contact:** Irrigate immediately with clean water for 15 minutes and obtain medical attention.

**Ingestion:** If swallowed, rinse out mouth and then drink plenty of water. In case of persistent symptoms, seek medical advice.

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## **5. FIRE FIGHTING MEASURES:**

**Suitable Extinguishing Media:** Water, water spray jet, foam, CO<sub>2</sub> or fire-extinguishing powder.

**Special Protective Equipment Required:** No special measures required.

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## **6. ACCIDENTAL RELEASE MEASURES:**

**Personal Protection:** Not required

**Environmental Precautions:** Avoid entry to water courses or sewerage systems.

**Clean Up Methods:** Collect mechanically. Dispose of in accordance with regulations. No dangerous materials are released.

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## **7. HANDLING AND STORAGE:**

**Handling:** No special measures required.

**Storage:** No special measures required. Stable when frozen.

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## **8. Exposure Controls:**

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Respiratory Protection:** Not required.

**Hand Protection:** Not required.

**Eye Protection:** Wear safety goggles if there is risk of splashing or when working above eye level.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance:** Pasty

**pH:** 8-9

**Odour:** Slight

**Boiling Point:** Not determined

<b>Flashpoint:</b>	N/A	<b>Self-Inflammability:</b>	Product is not self igniting.
<b>Danger of Explosion:</b>	Not explosive	<b>Steam Pressure at 20°C:</b>	23 mbar (Wasser)
<b>Relative Density:</b>	ca 1.7g/cm <sup>3</sup>	<b>Solubility in Water:</b>	Fully Miscible

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#### **10. STABILITY AND REACTIVITY:**

**Thermal decomposition:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Hazardous decomposition products:** None

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#### **11. TOXICOLOGICAL INFORMATION:**

This preparation does not carry a hazard classification.

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#### **12. ECOLOGICAL INFORMATION:**

Do not allow product to reach ground water, water bodies or sewage systems. No ecological studies are available. Harmful effects on man and the environment are unknown and not to be expected. The product has to our knowledge no ecotoxic effects.

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**13. DISPOSAL CONSIDERATIONS:** Disposal of material should be in accordance with local regulations.

Unhardened material should be disposed of as special waste. Packaging should be similarly disposed of.

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**14. TRANSPORT INFORMATION:** Not classified as hazardous for transportation.

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#### **15. REGULATORY INFORMATION:**

N/A                      EEC Symbol

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#### **16. OTHER INFORMATION:**

*The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.*

***Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.***  
*This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.*



Never compromise on quality!

Published: February 2008

# SUPER-GRIP

## Non-slip Ceramic Wall Tile Adhesive

### Description

**A off-white, ready mixed polymer based, thin-bed tile adhesive. Conforms to BS 5980 Type 2 Class B / EN 12004 Type D, Class 1T.**

### Uses

**SUPER-GRIP** is suitable for fixing all 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). **Note:** it is not suitable for use in swimming pools or with porcelain tiles.

**SUPER-GRIP** has excellent grip properties, which reduces or eliminates the need for battens or spacers. **SUPER-GRIP** provides the user with an easy to apply, general purpose adhesive with spreading characteristics, which suit both the DIY and professional user.

### 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 **SUPER-GRIP**.

♦ **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. All plaster and porous masonry surfaces should be primed with diluted PVA and allowed to dry.

♦ **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 scoured to provide a key and reduce drying times. Emulsion paints, limewash or similar coatings must be removed.

### Application

**SUPER-GRIP** 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 or 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 10 minute period (about 1m<sup>2</sup>). 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.

Please note if using large format tiles a larger notch size (8-10mm) may be required to give sufficient contact also consideration should be given to extended drying times with these tiles.

### Drying Time

Final set will occur after 24 hours. However, drying times will be extended on impervious surfaces or with large format tiles. **SUPER-GRIP** should not be applied onto walls affected by penetrating damp, or when room temperature is below 5°C.

### Open Time

Open time of the exposed adhesive bed is approx. 20 minutes, dependant on conditions.

### Grouting

Grouting may proceed as soon as the tile bed is sufficiently firm, which depending on conditions can be from 24 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 the surface texture and porosity, however, on a typical smooth plastered wall **SUPER-GRIP** will cover at a rate of approx. 1L/m<sup>2</sup>.

### Storage Conditions

12 months in original, unopened containers if stored in dry conditions, out of direct sunlight. Store between 5 and 30°C. Protect from frost.

### 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

- ◆ No major hazard in normal use.
- ◆ Avoid contact with skin and eyes. In case of contact to eyes irrigate thoroughly for 15 minutes with clean running water.
- ◆ May cause sensitisation by skin contact, wash skin with soap and water. Do not allow to dry on skin.
- ◆ Keep out of reach of children.
- ◆ Wear suitable protective clothing, gloves overalls and eye and face protection.
- ◆ For further information, refer to the relevant health and safety data sheet.

## Specification Summary

Flammability	Non Flammable
Polymer Type	Styrene Acrylic Ter-polymer
Specific Gravity	Approximately 1.5
Maximum bed thickness	3mm
Coverage	1m <sup>2</sup> per litre
Drying Time	24 hours (dependent on conditions)
Open Time	20 minutes
Shear Strength	Typically 14KN

### Container Sizes

<b>Code:</b>	BDTA08	BDTA05	BDTA06	BDTA07
<b>Size:</b>	1.5Kg	3.75Kg	7.5Kg	15Kg

*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.*

