

# EXCELFLEX

## TILE ADHESIVE

26 November 2018

### YOUR SMART ADVANTAGES

- Flexible
- General Purpose
- Versatile all rounder

### DESCRIPTION

Rubber modified flexible tile adhesive. Well suited to general tiling where flexibility is desired. Suitable for domestic and general tiling.

### CLASSIFICATION STANDARDS

#### AS ISO 13007 CLASSIFICATION

- C1 Normal cementitious adhesive  
S1 Deformable (flexible)

### USES

General tiling  
Domestic  
Where some flexibility is needed

### SUITABLE SUBSTRATES

Concrete  
Screed and render  
Fibre Cement  
Plasterboard  
Dampfix Gold  
Wall and Floor

### SUITABLE TILES

All moisture stable tile types. Suitable tiles include porcelain, ceramic, terracotta, terrazzo, glass and stone.

### PRODUCT CHARACTERISTICS

#### PHYSICAL PROPERTIES

Appearance	Grey Powder
Mixed S.G	1.45
SCAQMD –   VOC %	<1
US RULE 1168   VOC g/L	<1
Mixing Ratio	20kg into 5.5-6 L

Pot Life	3hrs 22°C and 50% RH
Set Time	<24hrs 22°C and 50% RH
Open Time	> 20 mins

#### MECHANICAL PROPERTIES

Tensile strength	> 0.5, < 1.0 MPa
After immersion	> 0.5, < 1.0 MPa
Heat ageing	> 0.5, < 1.0 MPa
Freeze/thaw	> 0.5, < 1.0 MPa
Transverse deformation	> 2.5mm, < 5mm

Product codes	
20 KG NSW	30840533
20 KG WA	30840532

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

1. Make sure the substrate has been correctly installed according to relevant standards and manufacturer recommendations
2. Allow for minimum curing time for screeds (7 days) and concrete (28 days)
3. Remove all materials that will interfere with bond. These include oils, grease, wax, release agents, curing compounds dust and any loose material
4. Ensure surface is sound. All weak or friable material must be removed
5. Check the cleaned surface by applying a small amount of water. It will be easily absorbed if porous and bead on the surface if not
6. Treat porous surfaces with Multiprime
7. Most non-porous surfaces may be primed with Bostik Ultra NP Primer
8. Contact Bostik before commencing tiling if there is any doubt about required or suitable preparation.

# EXCELFLEX

## APPLICATION INSTRUCTIONS Cont.

### MIXING

20kg powder mixes into 5.5 to 6 litres of water (1kg into 275 to 300ml of water)

1. add water to bucket
2. mix powder into water with mechanical stirring
3. mix until smooth
4. allow to stand for 2 minutes and mix again before using

**Note:** The paste can “wet out” during mixing so make sure that it is mixed sufficiently before adding more liquid. Do not add more liquid after the initial mixing. Discard when the product stiffens in the bucket. Use a drill with suitable mixing paddle designed for the task and do not mix by hand.

### APPLICATION

1. Apply to the prepared substrate using a notched trowel. Use a 6mm notch for tiles up to 150x150mm, a 10mm notch for up to 250x250mm and a 12mm notch for 300x300mm tiles. Tiles 400x400mm and larger should be back-buttered in addition to using a 12mm notched trowel
2. Press tiles firmly into adhesive before it skins
3. Apply only up to 1m<sup>2</sup> at a time to avoid skinning
4. If skinned, re-spread to expose “wet” adhesive
5. Check that enough of the substrate and tile back are in contact with adhesive (usually at least 80% but higher for large format tiles)
6. Discard any material that has hardened before use
7. Allow adhesive to harden adequately before grouting

**All workmanship must be carried out in accordance with AS3958.1-2007 and good workmanship practices**

### COVERAGE

On site coverage will vary widely as it is dependent on a large number of variables. These include but are not limited to: application technique, substrate texture, wastage, trowel angle, trowel wear, contact coverage and flatness. As such the following coverage is intended as a guide only. It is advised that comparisons between products are based on the mixed volume.

When mixed bag yields 17 to 18 litres	
Approximate Coverage (10mm trowel)	
kg per m <sup>2</sup>	m <sup>2</sup> per bag
2.80	7.0

### GROUTING

Use a suitable Bostik grout after the tiles appear firm. Modify grout with Megalastic when tiling is over a flexible substrate or when improved water resistance is required

### CLEAN UP

Remove using a wet cloth before the product hardens. If allowed to set it must be removed mechanically.

### POT LIFE

3hours at 22°C and 50% Relative humidity

### SETTING TIME

<24hours at 22°C and 50% Relative humidity. Pot life and setting times will be influenced by ambient conditions. In warm or dry conditions shorter pot life and setting times should be expected and it will take longer when cool. Extra care should be in warm or dry conditions to ensure the adhesive has not stiffened significantly before the tiles are applied. Ensure that the open time has not been exceeded. If in doubt discard unused product and prepare a fresh batch

### STORAGE & SHELF LIFE

12 Months when stored off the ground in a cool, dry weatherproof environment

### IMPORTANT NOTES

- All workmanship (including movement joints) must be carried out in accordance with AS3958.1-2007
- When fixing stone follow the recommendations in the Australian Stone Advisory Association (ASAA) Natural Stone Design Manual.
- Always read the entire Product Technical Datasheet before using
- Always refer to the Safety Data Sheet (SDS) before using
- Only tile surfaces that are suitable. If in doubt check with substrate manufacturer
- Use only ambient conditions between 5 and 35 ° C. Do not use in windy or very low humidity conditions
- Uncured adhesive may wash-out if exposed to excessive moisture before curing adequately
- When tiling walls do not exceed 2.7m and always check that it will support the intended weight
- Not designed for direct bonding to solvent based polyurethane waterproofing membranes. If required to tile an area treated with this type of membrane special surface preparation is required. Contact Bostik for further information
- Not designed for direct bonding to plastic or metal.
- Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. Any post tensioned concrete slabs must be treated as a flexible substrate. For further information, contact Bostik
- External and wet areas must have adequate falls and drainage. Do not allow water to pool or pond.
- Not suitable for immersion (e.g. pools or water features). Pooling /ponding water should be avoided.

## IMPORTANT NOTES Cont.

- When tiling directly onto waterproofing membranes check to ensure compatibility. If not already approved by Bostik in writing additional compatibility tests may be required.
- This product is not suitable for use with moisture sensitive stone, tile or other materials.
- If considering tiling over paint it must be well bonded, clean and sound. Abrade and clean enamel paints. Prime with Multiprime before tiling.
- Do not use to tile directly onto timber, plywood, particleboard, MDF or Masonite
- Not suitable for bonding directly to existing tiles
- Contact Bostik for advice before work starts if substrate or tile are unusual or non-traditional or if there is any uncertainty regarding suitability or preparation

## SAFETY PRECAUTIONS

SEE THE SAFETY DATA SHEET FOR ADDITIONAL INFORMATION. EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)

SDS can be downloaded from [www.bostik.com.au](http://www.bostik.com.au)

### VOC – 0 g/Lt

[voccertificates.australia@bostik.com](mailto:voccertificates.australia@bostik.com)

## PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit [www.bostik.com/au](http://www.bostik.com/au) for copies.

**For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.**

BOSTIK HOTLINE

Smart help 1800 267 845



This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Proprietary Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.com/au](http://www.bostik.com/au)