



# ASA ASAFLEX

## COMMERCIAL GRADE TILING ADHESIVE

8 June 2017

### YOUR SMART ADVANTAGES

- Superb flexibility
- Excellent bond
- Good acoustic properties
- Superior water resistance

### USES – BEST FOR COMMERCIAL

- When flexibility is vital
- Indoors or outdoors (e.g. balconies)
- Tile on timber
- Apartments
- Recommended tile adhesive for Asaphonic acoustic system

### SUITABLE SUBSTRATES

- Concrete
- Render, early age (green); screed (1 day), concrete (7 days)
- Fibre cement
- Plasterboard
- Acoustic mat
- Dampfix Gold, Dampfix 3
- Timber
- Wall & floor
- High traffic

### SUITABLE TILES

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

### PRODUCT CHARACTERISTICS

Colour/Appearance	Grey powder
Mixed S.G.	1.18
Mixing ratio	30kg into 15L Asaflex liquid
Pot life	3hrs 22°C & 50% RH
Set time	< 24hrs 22°C & 50% RH
Open time	> 30 mins 22°C & 50% RH
Product codes	
Asaflex Liquid 4L	30804463
Asaflex Liquid 15L	30608706
Asaflex Powder Bag 8Kg	30804120

Asaflex Powder Bag 30Kg 30804121

### TYPICAL PERFORMANCE DATA (APPROX)

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

### CLASSIFICATION/ STANDARDS

AS ISO 13007 CLASSIFICATION  
 C2 Improved cementitious adhesive  
 S2 Flexible  
 E Extended open time

### DIRECTIONS FOR USE

Read and understand the Material Safety Data Sheet before using this product.

### COVERAGE

On site coverage will vary widely as it is dependant 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. As such, coverage estimates given are inaccurate. It is advised that comparisons between products are based on the mixed volume.

When mixed 30kg bag yields 38 to 40 litres	
Approximate Coverage (10mm trowel)	
kg per m <sup>2</sup>	m <sup>2</sup> per bag
2.0	15.0

### SURFACE PREPARATION

- Make sure the substrate has been correctly installed according to relevant standards and manufacturer recommendations.
- Allow for minimum curing time for screeds (1 day) and concrete (7 days). Render will need at least 7 days curing under normal conditions.
- Remove all materials that will interfere with bond. These include oils, grease, wax, release agents, curing compounds dust and any loose material.
- Ensure surface is sound. All weak or friable material must be removed.

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- 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, treat porous surfaces with ASA Multiprime.
- Most non-porous surfaces may be primed with Bostik Ultra NP Primer.
- Before tiling over timber, contact manufacturer for advice regarding required preparation. Not all timber can have tiles directly bonded. If in doubt install a suitable ceramic tile underlay.

Contact Bostik before commencing tiling if there is any doubt about required or suitable preparation.

### APPLICATION

#### MIXING

30kg powder mixes into 15 litres of Asaflex Liquid (2:1, powder: liquid by weight)

1kg into 500ml of Asaflex liquid

- Add liquid to bucket
- Mix powder into liquid with mechanical stirring
- Mix until smooth
- Allow to stand for 2 minutes, then mix again briefly before use.

**Note:** The paste can 'wet out' during mixing, so make sure 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.

**Important: Asaflex is a two-part adhesive. Asaflex powder must only be used with undiluted Asaflex liquid.**

#### USE

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

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

#### SET TIME

Less than 24 hours at 22°C and 50% relative humidity. Pot life and setting time will be influenced by ambient conditions. Shorter pot life and setting times should be expected in warm or dry conditions. 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.

#### GROUTING

Use a suitable ASA grout after the tiles appear firm. Modify grout with ASA Megalastic when tiling is over a

flexible substrate or when improved water resistance is required.

### CLEANING

Wash tools and equipment with water. Remove excess adhesive using a wet cloth before the product hardens. If allowed to set it must be removed mechanically.

### LIMITATIONS

- 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 Data Sheet before using.
- Always refer to the Material Safety Data Sheet (MSDS) before using.
- Only tile surfaces that are suitable. If in doubt check with substrate manufacturer.
- Use only when ambient conditions are 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.
- May be bonded to Dampfix PU after surface of membrane has been primed with ASA Specialist Primer. Refer to the Specialist Primer data sheet for more information.
- Ensure there are adequate falls when using on external or wet area floors.
- Not suitable for immersion (pools or water features). Pooling/ponding water should be avoided.
- 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.
- 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.
- 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.
- This is a two-part adhesive consisting of a powder and liquid that must be used together in the correct ratio. Powder or liquid substitutions or additions (including water) are not permitted.
- When tiling directly onto timber always check with manufacturer that it is suitable to receive tiling and that it is correctly installed. Correct preparation must be carried out and may include sanding and special priming. If there is any doubt, contact Bostik before work starts.

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- When tiling directly onto timber ensure movement joints are designed and installed correctly to help accommodate movement and reduce pressures on tiling system. The use of a grout additive is recommended.

\*Note that although Asaflex may be used to bond tiles to existing tiles, the setting time will be slow. Although technically possible, it is **not recommended for tile-on-tile applications**. If considering using for tile-on-tile, the maximum tile size is 450x450mm. Ensure existing tile surface is sound and clean. Remove all cracked, drummy or otherwise unsound tiles and repair area appropriately. Due to the possible variables extra surface preparation may be required (including mechanical abrasion). Contact Bostik before work starts for further advice if required.

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

### STORAGE AND SHELF LIFE

Shelf life of 12 months if stored off the ground in a cool, dry, weatherproof environment.

### DISPOSAL

#### ASA ASAFLEX POWDER

Do not allow product to enter storm water drains or local waterways.  
Recycle or recover whenever possible.  
Empty bags and dry product may be disposed to landfill.

#### ASA ASAFLEX LIQUID

Empty containers may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Ensure wash water discharges to sewer only. Do not allow wash water to enter storm water drains. Collect and preferably allow the product to dry before disposal to landfill. Otherwise seal in properly labelled containers or drums for disposal to landfill.

### 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.co.nz](http://www.bostik.co.nz) for copies.

This product contains small amounts of crystalline silica, of which some will be respirable (primarily respirable quartz). Prolonged or repeated inhalation of respirable quartz from this product may cause silicosis, a seriously disabling and fatal lung disease.

Do not breathe dust. Wear a dust mask when handling powder. Wear protective gloves and safety glasses at all times. Do not handle until safety precautions have been read and understood.

**For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.**



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 be excluded by legislation, for example under the Consumer Guarantees Act 1993. Sale of the product by Bostik is subject to the Bostik New Zealand Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.co.nz](http://www.bostik.co.nz).

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