

ASAFLEX

TWO PART TILE ADHESIVE

13 November 2017

YOUR SMART ADVANTAGES

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

DESCRIPTION

Two part adhesive with exceptional flexibility and superb bond. Designed for jobs where flexibility is critical. Suitable for commercial and high traffic tiling and can be used outdoors. Best choice for tiling onto timber or acoustic mat. Off white colour.

CLASSIFICATION / STANDARDS

AS ISO 13007 CLASSIFICATION

- C2** Improved cementitious adhesive
S2 Highly deformable (flexible)
E Extended open time (>30 minutes)

BEST FOR

Whenever flexibility is vital
 Outdoors (balconies)
 Tile on timber
 Apartments

SUITABLE SUBSTRATES

Concrete
 Render, Early age (green) screed (1 day) and concrete (7 days)
 Fibre Cement
 Plasterboard
 Acoustic Mat
 Dampfix Gold, Dampfix 3, Dampfix 2 and Dampfix Timber
 Wall and Floor
 High Traffic
 Commercial

SUITABLE TILES

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

PRODUCT CHARACTERISTICS

PHYSICAL PROPERTIES

Mixing ratio	15kg into 7.5L Asaflex Liquid
Mixed S.G	1.16
Appearance	Grey Powder
Pot Life	3hrs 22°C and 50% RH
Set Time	<24 hrs 22°C and 50%RH
Open Time	> 30 mins 22°C and 50% RH
SCAQMD - VOC %	< 1
US RULE 1168 VOC g/L	<1

MECHANICAL PROPERTIES

Tensile strength	> 1.0 MPa
After immersion	> 1.0 MPa
Heat ageing	> 1.0 MPa
Freeze/thaw	> 1.0 MPa
Transverse deformation	>5mm
Product codes	
15 L Liquid	30608706
15kg Powder NSW	30840351
15kg Powder VIC	30840352

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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 (1 day) and concrete (7 days). Render will need at least 7 days curing under normal conditions.
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 ASA **Multiprime**
7. Most non-porous surfaces may be primed with **Bostik Ultra NP Primer**
8. 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.
9. Contact Bostik before commencing tiling if there is any doubt about required or suitable preparation

MIXING

15kg powder mixes into 7.5 litres of Asaflex Liquid
1kg into 500ml of Asaflex Liquid

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

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.

Important Note: Asaflex is a two part adhesive. Asaflex powder must only be used with undiluted Asaflex Liquid.

APPLICATION

- 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

- Press tiles firmly into adhesive before it skins
- Apply only up to 1m² 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

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 such coverage given are inaccurate. It is advised that comparisons between products are based on the mixed volume.

When mixed bag yields 19 to 20 litres	
Approximate Coverage (10mm trowel)	
kg per m ²	m ² per bag
2.8	8.0

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.

CLEAN UP

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

POT LIFE

3 hours at 22°C and 50% Relative humidity

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SETTING TIME

<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.

STORAGE AND 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 Material Safety Data Sheet (MSDS) 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 ASA/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 datasheet 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 ASA/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.
- 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. As such, 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

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SAFETY PRECAUTIONS

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.
EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)
MSDS can be downloaded **from** www.bostik.com.au

VOC

LIQUID: 21 g/Lt
POWDER: 1 g/Lt

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 for copies.

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



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