

Technical Data Sheet

ASAFLEX



architectural +
structural
adhesives

DESCRIPTION

Asaflex is a two component, flexible adhesive suitable for most ceramic tile installations including tiling on timber² and is also ideal for areas of movement, vibration or temperature fluctuation. Asaflex has anti-fracture properties reducing the likelihood of tile cracking due to existing cracks in the substrates. **Asaflex** has such versatility, making it suitable for almost any ceramic tile installation, wall or floor.

FEATURES & BENEFITS

- Versatile
- Water cleanable
- Safe, non-toxic and low odour
- Accommodates temperature fluctuations
- Internal and external¹ applications
- Flexible
- Withstands vibration

RECOMMENDED FOR

- Concrete
- Cement render
- Brickwork
- Fibrous cement sheeting
- Timber²
- Plasterboard
- Tiling over existing tiles
- Tiling over **ASA** approved waterproof membranes
- Use in areas covered by AS3958.1-1991 clauses 3.3.1.2;3.3.2.1;3.3.3.2;3.3.3.3;3.3.3.4;3.3.4.1;3.3.4.2;3.3.4.3;3.3.4.5; 3.5.1.1;3.5.1.3;3.5.2.1;3.5.2.2;3.5.3.1;3.5.3.2;3.5.4.1;3.5.4.2;3.5.4.3;3.5.5.1;3.5.5.2.



SURFACE PREPARATION

All surfaces must be clean, dry, and be free from dust, grease, wax, oil, laitance, curing compounds, paint, friable material and all other contaminants that are likely to prevent the adhesive bonding. Fibrous cement sheeting and plasterboards must be fixed in accordance to manufacturer's printed directions. Cement render must be allowed to cure for 7 days, concrete to be left with a wood float finish and allowed to cure for at least 28 days before tiling. **ASA** and **Bostik** waterproofing membranes must have dried in accordance to the printed directions on the packaging. Smooth steel trowel finished concrete must be mechanically abraded to increase adhesion. Porous substrates must be primed with **ASA Multiprime** prior to tiling.

SCREEDS

Screeds must be allowed to cure for a minimum of 7 days for each 25mm prior to tiling.

TILING ON TIMBER & PARTICLEBOARD FLOORING²

Timber floors and particleboards must be dry, sound and free from any movement. Secure floor with additional nails and wedges if necessary. Do not tile over Cypress Pine or any other oily timber. Timber must be thoroughly sanded to expose a fresh surface. Thoroughly remove all dust and friable material. Timber must be primed with **ASA Multiprime** prior to tiling.

EXPANSION JOINTS

Movement joints should be incorporated in the tile layout in accordance with AS3958.1-1991 clauses 5.4.5.1 to 6.

MIXING

1 litre **Asaflex** liquid requires 2kg of **Asaflex** powder. Add a measured amount of **Asaflex** liquid into a clean container and sprinkle **Asaflex** powder slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow mixture to stand for 2 minutes then re-mix. The adhesive is now ready to use.

APPLICATION

Apply the mixed adhesive to the substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 1mm bed and maximum of 3mm thickness for walls and a minimum of 3mm and a maximum of 8mm for floors (5mm minimum for timber floors) must be achieved. Ensure that the bedded tiles are fully supported by the adhesive with no voids. Lay tiles into the adhesive before it skins. The adhesive may also need to be applied to the back of the tiles to accommodate the required levels. Do not disturb the tiles until the adhesive has dried.

DRYING

Allow adhesive to dry for a minimum of 24 - 48 hours (when tile work is firm) prior to allowing foot traffic. Allow a minimum of 48 hours when tiling over waterproofing membranes and non-porous substrates. Do not tile if temperatures are likely to drop to below 5°C or exceed 30°C. For temperatures below 20°C allow the adhesive to dry for an extended period of time. If uncertain check to see if the adhesive has set before allowing foot traffic or grouting.

GROUTING

Use **ASA Grout Additive** instead of water in the grout mixture to create a flexible and more resilient grout. Use the appropriate **ASA** grout, allowing joint widths of 1.5mm to 5mm for walls and 3mm to 12mm for floors as per AS3958.1-1991 clauses 5.4.6.

² Minimum 19mm thick with 450mm centres.

CLEAN UP

Asaflex can be removed from the surface of the tiles using a damp cloth while the adhesive is still wet. Tools and equipment can be cleaned with warm water and detergent prior to the adhesive drying.

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PACKAGING

- **Asaflex liquid:** 15 litre and 4 litre plastic pails
- **Asaflex powder grey:** 30kg and 8kg paper bags

POT LIFE

3 hours at 22°C and 50%RH **Setting time:** 24 hours at 22°C and 50%RH.

COVERAGE

2kg mixed product per m² using a 6mm x 6mm trowel and 3.5kg of mixed product per m² using a 12mm x 12mm trowel.

SAFETY PRECAUTIONS

This product is non-toxic but contains cement. Use good occupational health and safety practices to avoid personal contact. ASA recommend the use of dust masks, eye protection and wearing of gloves when handling this product. For more detailed information refer to product MSDS.

SHELF LIFE

Unopened bags and pails can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

LIMITATIONS

- ¹ Do not use externally unless the area is covered and appropriate falls to waste are in place
- Do not tile over waterproofing membranes unless it is an **ASA** or **Bostik** approved waterproofing product
- Not recommended for continuous water immersion applications, e.g. swimming pools and spas
- Not recommended for metal or plastic substrates
- ² Do not tile over cypress pine or other oily timbers unless it has been covered with fibrous cement ceramic tile underlay
- Do not apply the product in extreme temperatures of below 5°C and above 30°C

DISCLAIMER: It is the users responsibility to check and read the latest updated Data Sheet and related information before using the product. Users should also check and perform their own tests when assessing the suitability of a product for a particular application under certain conditions.

PHYSICAL PROPERTIES		
	Liquid	Powder
Appearance:	White viscous liquid	Cementitious grey powder
Specific gravity:	1.02 g/cm ³	1.2 g/cm ³

MIXED PHYSICAL PROPERTIES	
Mixing ratio:	1:2 (liquid to powder by weight)
Specific gravity:	1.36 g/cm ³
Open time:	35 minutes at 22°C and 50%RH
Pot life:	3 hours at 22°C and 50%RH

MECHANICAL PROPERTIES	
Tensile strength:	0.9 N/mm ²
After immersion:	0.6 N/mm ²
Heat ageing:	0.9 N/mm ²
Freeze/Thaw:	0.6 N/mm ²
Transverse deformation:	> 12 mm
Classification (as per AS4992.2) C1ES2	

TECHNICAL SERVICES TOLL FREE NUMBER
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0508 222 272 New Zealand (land lines only)
 or visit www.asaltd.com.au
 a member of the Bostik group of companies



GUARANTEE

ASA guarantees this product for 10 years provided application is in accordance with manufacturer's directions and the Australian Standards for Tiling Practice. ASA's liability is limited to the cost of replacing effected ASA product only. ASA reserves the right to inspect. Contact ASA for full guarantee terms.

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