

# Technical Data Sheet

## FIXALL



architectural +  
structural  
adhesives

### DESCRIPTION

**Fixall** is a rigid set, high quality cement based adhesive suitable for most types of ceramic wall and floor tiles including monocottura, slate, quarry tiles, terracotta and natural stone. **Fixall** is suitable for thin and thick bed applications onto rigid substrates, including concrete, cement render, brickwork and blockwork.

### FEATURES & BENEFITS

- High strength bond
- No odour
- Economical
- Easy to clean
- Non-toxic
- Easy to spread
- Thick and thin bed applications

### RECOMMENDED FOR

- Concrete
- Cement render
- Brickwork
- Blockwork
- Use in areas covered by AS3958.1-1991 clauses 3.3.1.2;3.3.3.2;3.3.3.3;3.5.1.1; 3.5.1.2;3.5.2.1;3.5.4.1.



### SURFACE PREPARATION

All surfaces must be clean, dry, and be free from dust, grease, wax, oil, laitance curing compounds and all other contaminants likely to prevent the adhesive bonding. Highly porous substrates must be primed with **ASA Multiprime** prior to tiling. Concrete should be allowed to cure for at least 28 days and cement render 7 days prior to tiling. A wood float finish is preferred. Smooth steel trowel finished concrete must be mechanically abraded to increase adhesion.

### EXPANSION JOINTS

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

### MIXING

20kg of **Fixall** powder requires approximately 5 litres of water which produces 14 litres of mixed product. Add a measured amount of clean water into a clean container and sprinkle **Fixall** powder slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow to stand for 2 minutes then remix. The adhesive is now ready to use. **ASA Megalastic** should be used instead of water to fortify, flexibilize and promote adhesion for difficult to bond tiles such as mosaic, vitrified and porcelain.

### APPLICATION

Apply the mixed adhesive to the prepared substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 1mm bed thickness for walls and 3mm for floors must be achieved. Ensure that the bedded tiles are fully supported by the adhesive with no voids underneath or behind. 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 tiles until the adhesive has dried. Commence grouting after 24 hours when tilework is firm.

### GROUTING

Use the appropriate **ASA** grout, allowing joint widths of 1.5mm to 6mm for walls and 3mm to 12mm for floors as per AS3958.1-1991 clause 5.4.6.

### CLEAN UP

**Fixall** 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 adhesive drying.

### PACKAGING

20kg paper bags.

### POT LIFE

2.5 hours at 22°C and 50%RH

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

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### COVERAGE

3kg powder per m<sup>2</sup> using a 6mm x 6mm notched trowel and 6kg powder per m<sup>2</sup> using a 12mm x 12mm notched trowel.

### SAFETY PRECAUTIONS

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

### SHELF LIFE

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

### LIMITATIONS

- Not suitable for tiling over flexible substrates, such as fibrous cement sheeting, plasterboard and timber
- Must be mixed with undiluted **ASA Megalastic** for areas where vibration, shrinkage or tile growth may occur
- Recommended for tiling over **ASA Waterproofing** membranes only when mixed with undiluted **ASA Megalastic**.

PHYSICAL PROPERTIES	
Appearance:	Cementious off-white powder
Bulk density:	1.5 g/cm <sup>2</sup>
Mix S.G:	1.80 g/cm <sup>3</sup>
Mixing ratio:	5 litres of water to 20kg of product
Pot life:	2.5 hours at 22°C and 50% RH
Open time:	20 minutes at 22° C and 50% RH

MECHANICAL PROPERTIES		
	Fixall mixed with water	Fixall mixed with ASA Megalastic
Tensile strength:	0.8 N/mm <sup>2</sup>	1.10 N/mm <sup>2</sup>
After immersion:	0.9 N/mm <sup>2</sup>	1.34 N/mm <sup>2</sup>
Heat ageing:	0.6 N/mm <sup>2</sup>	1.30 N/mm <sup>2</sup>
Freeze/thaw:	0.7 N/mm <sup>2</sup>	1.10 N/mm <sup>2</sup>
Slip:	–	0.3mm
Transverse deformation:	–	4.5mm
Classification (as per AS4992.2)	C1	C2ETS1

**TECHNICAL SERVICES TOLL FREE NUMBER**  
**1800 813 890 Australia**  
**0508 222 272 New Zealand (land lines only)**  
 or visit [www.asaltd.com.au](http://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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