

# Technical Data Sheet

## MEGALASTIC



architectural +  
structural  
adhesives

### DESCRIPTION

**Megalastic** is a specially formulated admixture used in place of water to fortify levelling screeds, renders and factory prepared cement based adhesives.

### FEATURES & BENEFITS

- Improves workability
- Reduces shrinkage
- Increases flexural and compressive strengths
- Improves shock, frost and chemical resistance
- Improves adhesion
- Non-toxic

### RECOMMENDED FOR

- Patching compounds
- Renders and mortar beds
- Levelling screeds
- Fortifying cement based adhesives
- Adhesive promoter for difficult to bond substrates
- Use in areas covered by AS3958.1-1991 clauses 3.3.1.1; 3.3.1.2;3.3.2.1;3.3.3.1;3.3.3.2;3.3.3.3;3.3.3.4;3.5.1.1;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 affect adhesion.

### PLACING

Before placing mortar bed, apply to the substrate a slurry coat made from 2 parts **Megalastic** mixed with 3 parts cement. Dilute **Megalastic** with water at a ratio of 1 part **Megalastic** to 3 parts water and add to a 3:1 sand/cement mix. Adjust mixture to produce a semi-dry mortar. While slurry is still wet, spread mortar and compact well. Tiling can either be carried out immediately or when the screed is dry using an appropriate tile adhesive.

### ADHESIVE

**Megalastic** is used instead of water to fortify **ASA Fixall** when bonding tiles that have low porosity. Approximately 5 litres of **Megalastic** liquid is required for 20kg of **ASA Fixall**. This incorporates a degree of elasticity to the fixative.

### CLEAN UP

**Megalastic** 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.

### PACKAGING

20 litre, 5 litre and 1 litre plastic jerry cans.

### COVERAGE

**Screeds:** 0.5 litres of diluted **Megalastic** mixes with 1kg cement and 3kg sand. 40kg of mixed materials covers 1m<sup>2</sup> at 25mm thick. **Additive:** 5 litres **Megalastic** liquid mixes with 20kg **ASA Fixall**.

### SAFETY PRECAUTIONS

This product is non-toxic and has no known harmful effects. It is advisable to wear gloves and use good occupational health and safety practices to avoid personal contact. For more detailed information refer to product MSDS.

### SHELF LIFE

Unopened containers can be stored for up to 12 months in a cool, dry, and weatherproof environment.

### LIMITATIONS

Only recommended for use over concrete, cement render, blockwork and brickwork.

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MIXING	
<b>Screeds and Renders</b>	
Dilute 1:3 Megalastic to water (by volume).	
For screeds mix 0.5L of diluted Megalastic with 1kg of cement and 3kg of washed dry sand.	
For renders mix 0.67L of diluted Megalastic with 1kg of cement and 3kg of dry sand.	
<b>Adhesives</b>	
Mix 5L of undiluted Megalastic with 20kg of Fixall.	

PHYSICAL PROPERTIES	
<b>Appearance:</b>	White thin liquid
<b>Non volatile mass:</b>	30%
<b>pH:</b>	8.3
<b>Specific gravity:</b>	1.02 g/cm

MECHANICAL PROPERTIES	
<b>Fixall mixed with Megalastic</b>	
<b>Tensile strength:</b>	1.1 N/mm <sup>2</sup>
<b>After immersion:</b>	1.34 N/mm <sup>2</sup>
<b>Heat ageing:</b>	1.30 N/mm <sup>2</sup>
<b>Freeze thaw:</b>	1.1 N/mm <sup>2</sup>
<b>Slip:</b>	0.3 mm
<b>Transverse deformation:</b>	4.5 mm
<b>Classification: (as per AS4992.2) C2ETS1</b>	

MECHANICAL PROPERTIES after 21 days curing	
<b>Screeds</b>	
<b>Compressive strength:</b>	15 N/mm <sup>2</sup>
<b>Flexural strength:</b>	5.5 N/mm <sup>2</sup>
<b>Pot life:</b>	1 hour at 22°C and 50% RH
<b>Renders</b>	
<b>Compressive strength:</b>	10 N/mm <sup>2</sup>
<b>Flexural strength:</b>	5 N/mm <sup>2</sup>
<b>Pot life:</b>	1 hour at 22°C and 50%RH

**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)  
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### 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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