

# Technical Data Sheet

# SUPERGLUE



architectural +  
structural  
adhesives

## DESCRIPTION

**Superglue** is a highly flexible, premium quality, white cement based adhesive developed to bond most types of ceramic tiles. Ideal for bonding monocottura and fully vitrified tiles, as well as natural stone, marble, granite and mosaic tiles onto brickwork, existing tiles, cement render and concrete walls, floors and swimming pools. Suitable for both internal and external applications.

## FEATURES & BENEFITS

- White in colour - giving a cleaner finish
- **C2** - High tensile strength
- **S2** - Highly flexible, so no admixture required
- **E** - Extended open time
- **F** - Fast Setting
- **T** - Reduced slip. Anti-slip and anti- slump.
- Suitable for continuous immersion applications ie swimming pools and spas
- Suitable for large format tiles
- High yield
- Green screed
- No odour
- Economical
- Water washable
- Non-toxic
- Easy to spread
- Thin and thick (10mm) bed applications

## RECOMMENDED FOR

- Continuous immersion applications ie Swimming pools and spas
- Concrete
- Cement render
- Particleboard
- Fibrous cement sheeting
- Plasterboard
- Brickwork
- Blockwork
- Existing tiles
- Tiling over **ASA/Bostik** approved waterproofing membranes
- 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, free from dust, grease, wax, paint, oil, laitance, curing compounds and all other contaminants likely to prevent the adhesive bonding. Fibrous cement sheeting, plasterboard and particleboard must be fixed in accordance to the manufactures directions. Particleboard must be sanded prior to priming. Particleboard and highly porous substrates must be primed with ASA Multiprime prior to tiling. Cement render/screeds must be allowed to cure for 1 day, concrete to be left with a wood float finish and allowed to cure for at least 7 days. If tiling over existing tiles then they must be firm and stable. All care must be taken to remove any dust, sealers or other contaminants prior to tiling. Mechanical abraiding is recommended. When laying mosaics in continuous immersion applications ensure that a minimum contact of 80% of the adhesive to the back of the mosaic cube, not mesh/matting, (paper or other) or the mesh matting glue.

## TILING OVER PARTICLEBOARD FLOORING

Particleboards must be dry, sound and free from any movement. Must be a minimum 19mm thick with 450mm centres. Secure floor with additional nails and wedges if necessary as per manufacturers instructions. Particleboards must be thoroughly sanded to expose a fresh surface and must be primed with ASA Multiprime prior to tiling. Thoroughly remove all dust and friable material. A minimum of 4mm bed thickness is required.

## 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

15kg of **Superglue** powder requires approximately 5.5 - 6 litres of water, which produces 17 litres of mixed product. Add a measured amount of clean water into a clean container and sprinkle **Superglue** 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.

## 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 a minimum of 4 - 6 hours or when tilework is firm.

## DRYING

Allow adhesive to cure for a minimum of 4 - 6 hours or when tile work is firm, prior to grouting or allowing foot traffic. Allow between 24 - 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 cure for an extended period of time. If uncertain check to see if the adhesive has set before allowing foot traffic or grouting. For continuous immersion applications allow a minimum of 14 days.

## GROUTING

Use the appropriate **ASA** grout with **ASA Grout Additive** as a total water replacement when tiling over flexible substrates. Allow joint widths of 1.5mm to 5mm for walls and 3mm to 15mm for floors as per AS3958.1-1991 clause 5.4.6.

## CLEAN UP

**Superglue** 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

15kg paper bags

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### POT LIFE

1.5 - 2 hours working time at 22°C and 50% R.H. **Setting time:** Initial set time of 4 - 6 hours for grouting.

### COVERAGE

15kg of **Superglue** mixed with 5.5 - 6 litres of water will produce approx 17 litres of adhesive. Using a 6 mm notched trowel it will cover approx 16 m<sup>2</sup>, a 10mm notched trowel will cover 10m<sup>2</sup> and a 12 mm notched trowel will cover approximately 8 m<sup>2</sup>.

### SAFETY PRECAUTIONS

This product is non-toxic but contains cement. **ASA** recommends the use of dust masks, eye protection and wearing of gloves when handling this product. It is advisable to 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

- <sup>1</sup>Only to be used on particleboard flooring that is suitable for tiling.
- Do not use on MDF and Masonite.
- Not suitable for direct tiling over tongue and groove or natural timber substrate.
- Not recommended for tiling over waterproofing membranes unless it is an **ASA** or **Bostik** approved product.
- Not recommended for tiling directly on to metals or plastic substrates.
- Not recommended for tiling directly onto polyurethane membranes, contact **ASA** for further information.
- Do not mix or apply adhesives in temperatures below 5°C and above 30°C and under extreme hot and windy conditions

**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	
<b>Appearance:</b>	Cementitious white powder
<b>Bulk density:</b>	0.8g/cm <sup>3</sup> (packed)
<b>Mixing SG:</b>	1.17 g/cm <sup>3</sup>
<b>Mixing ratio:</b>	5.5 - 6 litres of water to 15kg of product
<b>Pot life:</b>	1.5 - 2 hours at 22°C and 50% RH
<b>Set time:</b>	4 - 6 hours at 22°C and 50% RH
<b>Open time:</b>	30 minutes at 22°C and 50%RH

MECHANICAL PROPERTIES	
<b>Tensile strength:</b>	1.98 N/mm <sup>2</sup>
<b>After immersion:</b>	1.71N/mm <sup>2</sup>
<b>Heat ageing:</b>	1.39 N/mm <sup>2</sup>
<b>Freeze/Thaw:</b>	1.48 N/mm <sup>2</sup>
<b>Transverse deformation:</b>	>5 mm

**Classification (as per AS4992.2) C2S2EFT**

**TECHNICAL SERVICES TOLL FREE NUMBER**  
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**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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