



# BOSTIK SUPERFIXALL

## TILE ADHESIVE

TECHNICAL SHEET 09/05/2023 – Version 1

### SMART ADVANTAGES

- Suitable for domestic tiling
- Rigid surfaces
- Use with **Bostik ASA Megalastic** to upgrade flexibility and bond strength but maintaining long open time

### DESCRIPTION

**Bostik SUPERFIXALL** is a cementitious tile adhesive.

According to ISO 13007 it is classified as:

C1 - Normal cementitious adhesive

E - Extended Open Time

C2S1E – When used with **ASA Megalastic**

### FUNCTIONAL CHARACTERISTICS

- Extended Open Time
- Grey Colour
- General Tiling
- Ceramic Tiles
- Suitable substrates: concrete, screed and render, wall and floor
- Use with 100% **ASA Megalastic** for fibre cement, plaster board, **Dampfix Gold**, **Dampfix 3**
- Upgrade with **ASA Megalastic** for total immersion
- Use only on moisture stable porous backed tiles only e.g., ceramic, terracotta.
- Use with 100% **ASA Megalastic** when bonding moisture stable non porous tiles such as porcelain, terrazzo, glass or stone.

### TECHNICAL CHARACTERISTICS

Properties	Value
Colour	Grey powder
Mixed S. G.	1.71
Mixing ratio	20Kg : 5 – 5.5L water
Pot Life	3 hours at 22°C and 50% RH
Set time	<24 hours at 22°C and 50% RH

Open time	>30 minutes at 22°C and 50% RH
Tensile strength (TS)	> 0.5, < 1.0MPa
After immersion TS	> 0.5, < 1.0MPa
Heat ageing TS	> 0.5, < 1.0MPa
Freeze / thaw TS	> 0.5, < 1.0MPa
Transverse deformation	> 2.5mm, < 5mm
SCAQMD   VOC	< 1.0 %
US RULE 1168   VOC	< 1.0 g/L

### COVERAGE

On site coverage will vary widely as it is dependent on many 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. It is advised that comparisons between products are based on the mixed volume.

When mixed bag yields 14 to 15 liters	
Approximate coverage (10 mm trowel)	
Kg per m <sup>3</sup>	m <sup>2</sup> per bag
3.3	6.0

### INSTALLATION

#### PREPARATION

- Make sure the substrate has been correctly installed according to relevant standards and manufacturer's recommendations
- Allow for minimum curing time for screeds (7 day), concrete and render (28 days)
- Remove all material that will interfere with bond
- These include oils, grease, wax, release agents, curing compounds, dust and any loose material
- Ensure surface is sound. All weak or friable material must be removed
- Check the cleaned surface by applying a small amount of water. It will be easily absorbed if porous and will bead on the surface if not

- Treat porous surfaces with **Bostik ASA Multiprime**
- Most non-porous surfaces may be primed with **Bostik Ultra NP Primer**
- Contact Bostik NZ Ltd before work starts if there is any doubt about required or suitable preparation.

## APPLICATION

### Mixing

20kg powder mixes into 5-5.5L\* of water.  
(1kg into 250-275 mL water)

- Add water to bucket
- Mix powder into water with mechanical stirring
- Mix until smooth
- Allow to stand for 2 minutes, then 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.

### Applying

- Apply to the prepared substrate using a notched trowel
- Use a 6mm notch for tiles up to 150 x 150mm, a 10mm notch for tiles up to 250 x 250mm and a 12mm notch for tiles up to 300 x 300mm. Tiles 400 x 400mm 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 1m<sup>2</sup> 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).
- Allow adhesive to harden adequately before grouting
- Discard any material that has hardened before use
- All workmanship must be carried out in accordance with AS 3958.1-2007

## SET TIME

- Less than 24 hours at 22°C and 50% Relative Humidity
- Pot life and setting times will be influenced by ambient conditions
- Shorter pot life and setting times should be expected in warm or dry conditions
- Extra care should be taken 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

## GROUTING

- Use a suitable **Bostik ASA grout** after the tiles appear firm
- Modify grout with **Bostik ASA Megalastic** when tiling is over flexible substrates or when improved water resistance is required.

## LIMITATIONS

- When fixing stone, follow the recommendations in Australian Stone Advisory Association (ASAA) Natural Stone Design Manual.
- Before using refer to the Product Technical Data Sheet (TDS) and Safety Data Sheet (SDS)
- 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 or check with the manufacturer that it will support the intended weight. Mechanical fixing is recommended in such situations.
- 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 Bostik for further information.
- 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 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.
- This product is not suitable for use with moisture sensitive stone, tile or other materials.
- If tiling is to be immersed, constantly wet or pooling/ponding is expected to occur, replace 100% of water with **ASA Megalastic**.
- Not suitable for tiling onto flexible substrates (e.g., fibre cement sheet) unless mix water is replaced 100% with **ASA Megalastic**.
- Not suitable for tiling onto non porous surfaces (including waterproofing membranes or paint) unless mix water is replaced 100% with **ASA Megalastic**. When tiling directly onto waterproofing membranes check to ensure compatibility. If not already approved by Bostik in writing additional compatibility test may be required. Paint must be well bonded, clean and sound. Abrade and clean enamel paints before tiling.
- Unless mix water is replaced 100% with **ASA Megalastic**, do not use in outdoors without adequate falls to drainage and avoid water ponding.
- When tiling onto painted surfaces **ASA Megalastic** must be used as a 100% replacement for mix water. Paint must be well bonded, clean and sound. Abrade and clean enamel paints before tiling.
- Do not use to tile directly onto timber, plywood, particleboard, MDF or Masonite.
- Not suitable for bonding directly to existing tiles.
- This adhesive may be used with **ASA Megalastic** if improved flexibility, adhesion or water resistance is required.

### Important Notes

It is recommended that this product is fully evaluated as suitable for the application methods to be employed and for suitability of performance both initially and for the expected life of your product under the condition it is expected to withstand.

The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for a first use or particular inconvenient of support, site or environment. Consult our safety data sheets for precautions to use.

### CLEANING

Wash tools and equipment with water. Remove excess adhesive using a wet cloth before the product hardens. If allowed to set it must be removed mechanically.

### STORAGE

12 months when stored off the ground in a cool, dry and weatherproof environment. Store in a cool place and out of direct sunlight. Store away from oxidizing agents.

### PACKAGING

<b>Size</b>	20Kg bag
<b>Product codes</b>	30804160

### HEALTH AND SAFETY

This product contains small amounts of crystalline silica, of which some will be respirable (primarily respirable quartz). Prolonged or repeated inhalation of respirable quartz from this product may cause silicosis, a seriously disabling and fatal lung disease.

Do not breathe dust. Wear a dust mask when handling powder. Wear protective gloves and safety glasses at all times. Do not handle until safety precautions have been read and understood.

Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites. Visit [www.bostik.co.nz](http://www.bostik.co.nz) for copies.

**For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.**

#### DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

The statements, technical information, data, and recommendations contained in this TDS are provided 'AS IS' and are not warranted or guaranteed in any way. They represent typical results for the products and are based on Bostik's research only. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability and damages of whatever kind or nature that may arise from any use of the products, the results therefrom, or reliance on the information contained herein.

**Bostik New Zealand Ltd.,**  
19 Eastern Hutt Road, Wingate,  
Lower Hutt 5019, New Zealand.  
Phone: +64 4 567 5119  
**Website:** [www.bostik.co.nz](http://www.bostik.co.nz)

### BOSTIK HOTLINE

Smart help 0508 222 777



All advice, recommendations, figures and safety regulations provided are based on careful investigations, as well as the current state of our experience and are without obligation. Although the documentation has been compiled with the greatest care, we do not accept any liability for inaccuracies, mistakes, typesetting or printing errors. We reserve the right to modify the respective product if we deem it necessary. Since the design, the quality of the substrate and the processing conditions are beyond our assessment, no liability can be accepted for work performed on the basis of this documentation. We therefore advise you to carry out practical tests on site yourself. Our general Terms and Conditions of Sale and Delivery apply to all our sales and deliveries.