

### **PRODUCT DESCRIPTION**

TPA Lite S1 is a commercial grade, ultralight, flexible cement-based tile adhesive. It is recommended for interior and exterior wall and floor applications including facades, balconies, bathrooms, toilets, and laundries. TPA Lite S1 is suitable for use over concrete, cement render, screeds, fibrous cement sheeting, plasterboard and suitable WPA waterproofing membranes. TPA Lite S1 is suitable for most types of moisture-stable tiles in domestic and commercial tiling applications.

### **ADVANTAGES**

- Commercial Grade: C2TES1
- Extended Coverage
- Ultra Light-Weight Technology
- Excellent Trowel-Ability and Grab
- Excellent Bond Strength
- Non Slip / Non Slump
- Respirable Silica Free\*

\*Silica (Respirable crystalline Fraction) levels are below the concentration limit for carcinogens (0.1%) as per schedule 6 of the Model Work Health Safety Regulations 2023.

### **USES**

All moisture stable tile types. Suitable tiles include porcelain, ceramic, terracotta, terrazzo, glass and stone.

- High Traffic
- Internal and External
- Swimming Pools
- Concrete
- Masonry Block
- Render and Screeds
- Fibre Cement
- Plasterboard
- WPA Waterproofing Membranes
- Wall and Floor
- Existing Tiles
- Acoustic Underlays\*

\*Contact Bayset Technical Department for specific information.

### **DIRECTIONS FOR USE**

Read and understand the Safety Data Sheet before using this product.

### **SURFACE PREPARATION**

Make sure the substrate has been correctly installed according to relevant standards and manufacturer's recommendations.

Allow a minimum curing time for screeds of 24 hours and for concrete 7 days.



Remove all materials that will interfere with the bond. These include oils, grease, wax, release agents, curing compounds, dust and any loose material.

Ensure the surface is sound. All weak or friable material must be removed.

Contact the Bayset Technical Department before commencing tiling if there is any doubt about required or suitable preparation.

### **MIXING**

12.5kg powder mixes into 5.6 litres of water.

1. Add water to bucket.
2. Mix powder into water with mechanical stirring.
3. Mix until smooth.
4. Allow to stand for 3 minutes and mix again before using.

**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.

### **APPLICATION**

Apply to the prepared substrate using a notched trowel, in accordance with the provisions of AS 3958.1.

Press tiles firmly into the adhesive before it skins. Apply only up to 1-2 M<sup>2</sup> at a time to avoid skinning.

If skinned, remove the product and apply fresh adhesive. Discard any material that has hardened before use.

Adhesive contact coverage should be in accordance with AS 3958.1.

Allow adhesive to set adequately before grouting.

### **COVERAGE**

On site coverage will vary widely as it is dependent on a large number of 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.

Approximate Coverage (10mm trowel) .

M<sup>2</sup> per bag 6.0-7.0 M<sup>2</sup>

### **GROUTING**

Use a suitable proprietary cementitious or epoxy grout after the adhesive has cured. Modify grout with an appropriate admixture when tiling is over a flexible substrate or when improved water resistance is required.

### **CLEANING**

Remove using a wet cloth before the product hardens. If allowed to set it must be removed mechanically.

### **PERFORMANCE DATA AND CHARACTERISTICS**

- Appearance ..... White
- Packaging.....12.5kg Bag
- Bulk Density ..... 0.74
- VOC.....<1g/L
- Open Time.....approx. 30 mins
- Adjustment Time .....approx. 45 mins
- Light Foot Traffic ..... 24 hours
- ASISO 13007.....C2TES1

### **IMPORTANT NOTES**

- Always read the entire Product Technical Data Sheet and Safety Data Sheet (SDS) before using.
- Only tile surfaces that are suitable. If in doubt check with substrate manufacturer and the Bayset Technical Department.
- When tiling directly onto waterproofing membranes check to ensure compatibility. If not already approved by Bayset in writing, additional compatibility tests may be required.
- Use only in ambient conditions between 5 and 35°C.
- This product is not suitable for use with moisture sensitive materials.
- Not designed for direct bonding to plastic or metal.
- When tiling walls always check that they will support the intended weight.
- Do not use tile directly onto timber, particleboard, MDF or masonite.
- Contact the Bayset Technical Department for advice before work starts if substrates or tiles are unusual or non-traditional or if there is any uncertainty regarding suitability or preparation.

### **STORAGE AND SHELF LIFE**

12 months when stored off the ground in a cool, dry weatherproof environment.

### **SAFETY INSTRUCTIONS**

For instructions on the safe use of TPA Lite S1 please refer to the latest version of the Safety Data Sheet available from our website [www.tpa-aus.com.au](http://www.tpa-aus.com.au).

### **WARRANTY CONDITIONS**

Bayset Pty Ltd trading as Tiling Products Australia (Bayset) offers a limited warranty in respect of this product, subject to certain terms and conditions set out in the warranty documentation which has been made available at [www.bayset.com.au](http://www.bayset.com.au). Please contact Bayset directly to obtain a copy of the warranty documentation relevant to this product.

### **DISCLAIMER**

The technical information and application advice given in this Technical Data Sheet is based on the present state of Bayset Pty Ltd's best scientific and practical knowledge and is intended to give a fair description of the product and its capabilities. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the product's suitability for a particular application and that the product is not used beyond its physical limitations. The user is responsible for checking the suitability of products for their intended use.

### **\*NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by Bayset trading as (TPA) either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Bayset trading as (TPA), are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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