

Technical Data Sheet ISSUED MAY 2023

P. 1 - 3

PRODUCT DESCRIPTION

TPA Rapid is a high-quality, cost-effective, rapid setting, polymer-modified, grey cement-based tile adhesive. Ideal for use in situations where the adhesive must dry quickly or when grouting must be completed shortly after fixing tiles.

Suitable for use over concrete, cement render, green screeds, fibrous cement sheeting, plasterboard and suitable **WPA** waterproofing membranes†. It is suitable for internal and external applications including bathrooms, toilets, laundries, kitchens, decks and verandas.

TPA Rapid is suitable for most types of moisture stable tiles in domestic, commercial and general tiling applications. It is especially suitable for use in areas where early access to tiled areas is required.

ADVANTAGES

- Suitable for a wide range of tiles
- No vertical slip, holds large format wall tiles
- Excellent trowel-ability and grab
- Flexible
- Fast access to tiled areas

USES

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

- High Traffic
- Internal and External
- Concrete
- Render and Screeds
- Plasterboard
- WPA Waterproofing Membranes†
- Wall and Floor
- As a bond coat for TPA Rapid Scream

DIRECTIONS FOR USE

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

SURFACE PREPARATION

Ensure the substrate has been correctly installed according to relevant standards and manufacturer's recommendations. Allow for adequate curing time for screeds and concrete (28 days).

Remove all materials that may prevent or reduce adhesion. 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 porosity of the cleaned surface by applying a small amount of water. It will be easily absorbed if porous and bead on the surface if not. Porous substrates should be primed with **WPA 360**.

Most non-porous surfaces should be primed with **WPA 160** Non-Porous Primer.

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

MIXING

20kg powder mixes into 5.0 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 2 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. Use a 6mm notch for tiles up to 150x150mm, a 10mm notch for tiles up to 250x250mm and a 12mm notch for 300x300mm tiles. Tiles 400x400mm 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 1M² at a time to avoid skinning. If skinned, re-spread to expose "wet" 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.

POT LIFE

1 hour at 23°C and 50% Relative humidity.

COVERAGE

On site coverage will vary 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. It is advised that comparisons between products are based on the mixed volume.

Approximate Coverage (10mm trowel):

M² per bag - 5.0 – 6.0 M²

GROUTING

Use a suitable proprietary cementitious, hybrid or epoxy grout after the tiles are firm. Modify cementitious grouts 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 Grey
- Packaging 20kg Bag
- Mixed S.G..... 1.21g/cc
- VOC..... <1g/L
- Mixing ratio .. 5.0 L / 20kg
- Pot life..... 1 hr @ 23°C, 50% RH
- Open time >30 mins
- Adjustment time 40 mins@ 23°C, 50% RH
- Ready for grouting 3 hrs @ 23°C, 50% RH
- Light foot traffic 6 hrs @ 23°C, 50% RH
- Wet areas ready for service 3-4 days @ 23°C, 50% RH
- AS ISO 13007..... C2S1FT

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 the substrate manufacturer.
- When tiling directly onto waterproofing membranes check to ensure compatibility. If not already approved by Bayset in writing, additional compatibility tests may be required.
- If considering tiling over paint it must be well bonded, clean and sound. Abrade and clean enamel paints. Prime with **WPA 160** before tiling.
- Use only when substrate and ambient temperatures are between 5 and 35°C.
- Do not use in windy or very low humidity conditions.
- This product is not suitable for use with moisture sensitive materials of Class B and C.
- Not designed for direct bonding to plastic or metal. Special surface preparation may be required.
- When tiling walls do not exceed 2.7m and always check that it will support the intended weight.
- Do not use to tile directly onto timber, plywood, particleboard, MDF or Masonite.
- Do not tile directly onto framed floor construction.

- Setting times will be affected by ambient temperature, tile temperature, water temperature, substrate temperature, and porosity.
- 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.

* External and wet areas must have adequate falls and drainage. Do not allow water to pool or pond.

† Suitable **WPA** waterproofing membranes include:

- **WPA 200**
- **WPA 230UV**
- **WPA 400**
- **WPA 500**
- **WPA 1500**
- **WPA Rapid**
- **WPA Aqualay**

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.

STORAGE AND SHELF LIFE

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

PRECAUTIONS

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Tiling Products Australia products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.tpa-us.com.au for copies.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.

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. 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 Tiling Products Australia either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Tiling Products Australia, are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
Product	TPA Rapid
Initial Issue	May 2023
Author	SR

Technical Data Sheets are subject to change without notice.
For latest revision, check our website at www.tpa-us.com.au

This is a CONTROLLED document under TPA's Quality System.