



BOSTIK ULTRA S

RUBBER - MODIFIED TILE ADHESIVE

TECHNICAL SHEET 25/07/2022 – Version 1

SMART ADVANTAGES

- Excellent all-round adhesive
- Superb bond and performance
- Long adjustment times but quick setting
- Indoor and outdoor use
- Very easy to trowel

DESCRIPTION

Bostik ULTRA S is Rubber-modified tile adhesive designed for demanding or high traffic applications.

According to ISO 13007 it is classified as:

C2 - Improved cementitious adhesive

S1 - Flexible

E - Extended Open Time

FUNCTIONAL CHARACTERISTICS

- Excellent performance in use with large tiles
- Can be used in floors and walls
- Appropriate to use tile on tile
- For High traffic areas
- Large & demanding construction jobs
- Ideal on underfloor heating
- Suitable for use on:
 - Render and Early Age Screed
 - Rendered bricks and/or blocks
 - Fibre cement and plasterboard
 - Existing tiles*

TECHNICAL CHARACTERISTICS

Properties	Value
Colour	Off-White
Mixed S. G.	1.4
Mixing ratio	20Kg : 5.5 – 6.5L water
Pot Life	3 hours at 22°C and 50% RH
Set time	6 - 8 hours at 22°C and 50% RH
Open time	> 30 minutes

Tensile strength	> 1.0MPa
After immersion	> 1.0MPa
Heat ageing	> 1.0MPa
Freeze / thaw	> 1.0MPa
Transverse deformation	> 2.5mm, < 5mm

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 surface flatness.

Trowel	Area (per bag)
6mm	12 - 14m ²
10mm	7 - 8m ²
12mm	5.5 - 6.5m ²

INSTALLATION

PREPARATION

- Ensure that the surfaces to be bonded are dry and free from oil, dirt and grease
- Make sure the substrate has been correctly installed according to relevant standards and manufacturer's recommendations
- Allow for minimum curing time for screeds (1 day) and concrete (7 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**

- May be used to bond up to 300 x 300mm tiles to existing tiles. Ensure existing tile surface is sound and clean
- Remove all cracked, drummy or otherwise unsound tiles and repair area appropriately. Due to the possible variables, extra surface preparation may be required (including mechanical abrasion)
- Contact Bostik NZ Ltd before work starts if there is any doubt about required or suitable preparation.

APPLICATION

Mixing

20kg powder mixes into 5.5-6.5L* of water.
(1kg into 275-325mL 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
- Do not overmix. Avoid excessive air entrapment.

* Use the lower amount of water as suggested above when tiling walls (to prevent slippage).

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 1m² at a time to avoid skinning
- If skinned, re-spread to expose "wet" adhesive
- Check that at least 80% of the substrate and tile back are in contact with adhesive
- Discard any material that has hardened before use
- Allow adhesive to harden adequately before grouting
- All workmanship must be carried out in accordance with AS 3958.1-2007

SET TIME

- 6-8 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 and Material Safety Data Sheet (MSDS)
- Only tile surfaces that are suitable. If in doubt, check with substrate manufacturer
- When tiling directly onto waterproofing membranes, check to ensure compatibility. If not already approved by Bostik NZ Ltd. 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 before tiling. Prime with **Bostik ASA Multiprime** before tiling
- This product is not suitable for use with moisture sensitive materials
- Use only in ambient conditions between 5° and 35° C
- Do not use in windy or very low humidity conditions
- Ensure there are adequate falls when using on external or wet area floors. Do not allow water to pond or pool
- Not suitable for immersion (e.g. pools or water features)
- May be used to bond up to 300 x 300mm tiles to existing tiles. Ensure existing tile surface is sound and clean. Remove all cracked, drummy or otherwise unsound tiles and repair area appropriately.
- Due to the possible variables, extra surface preparation may be required (including mechanical abrasion). Contact Bostik NZ Ltd. for advice before work starts if required
- Some surfaces such as plastic and metal may not be suitable, or require special preparation
- 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
- Contact Bostik NZ Ltd. for advice before work starts if substrates or tiles are unusual or non-traditional, or if there is any uncertainty regarding suitability or preparation.

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.

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

Size	20Kg bag
Product codes	30604688

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 for copies.

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

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.

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 contain herein.

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