

ULTRA MASTIK

PREMIUM TILE ADHESIVE

March 2019

YOUR SMART ADVANTAGES

- Holds 600x600mm wall tiles
- Smooth Trowel Feel
- Excellent water resistance
- Commercial grade
- White colour

DESCRIPTION

White tile adhesive with superior anti-slip. Able to hold a 600x600mm tile. Smooth feel for easy trowelling. Suitable for commercial and high traffic installations.

CLASSIFICATION / STANDARDS

AS ISO 13007 CLASSIFICATION

C2	Improved cementitious adhesive
S1	Deformable (flexible)
E	Extended open time (>30 minutes)
T	Slip-resistant

BEST FOR

Large wall tiles
Light coloured tiles where superior non slump is needed
Large jobs

SUITABLE SUBSTRATES

Concrete
Render and early age (green) screed
Fibre Cement
Plasterboard
Approved Bostik waterproofing membranes
Wall and Floor
High Traffic
Suitable for immersion when 50% mix water is replaced with Megalastic
Commercial

SUITABLE TILES

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

PRODUCT CHARACTERISTICS

PHYSICAL PROPERTIES

Appearance	White Powder
Mixed S.G	1.46 g/cc
Mixing Ratio	20kg into 5.5 – 6 L
Pot Life	3 hrs 22°C and 50% RH
Set Time	<24 hrs 22°C and 50% RH
Open Time	> 30 mins 22°C and 50% RH
SCAQMD – VOC %	<1
US RULE 1168 VOC g/L	<1

MECHANICAL PROPERTIES

Tensile strength	> 1.0 MPa
After immersion	> 1.0 MPa
Heat ageing	> 1.0 MPa
Freeze/thaw	> 1.0 MPa
Transverse deformation	> 2.5MM, < 5mm
Slip	< 0.5mm
Product codes	
20 KG NSW	30840346
20 KG WA	30840252

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SURFACE PREPARATION

1. Make sure the substrate has been correctly installed according to relevant standards and manufacturer recommendations
2. Allow for minimum curing time for screeds (1 day) and concrete (7 days)
3. Remove all materials that will interfere with bond. These include oils, grease, wax, release agents, curing compounds dust and any loose material
4. Ensure surface is sound. All weak or friable material must be removed
5. Check the cleaned surface by applying a small amount of water. It will be easily absorbed if porous and bead on the surface if not
6. Treat porous surfaces with Bostik Multiprime
7. Most non-porous surfaces may be primed with Bostik PrimeGrip Non-porous Primer

Contact Bostik before commencing tiling if there is any doubt about required or suitable preparation.

MIXING

20kg powder mixes into 5.5 to 6 litres of water
1Kg into 275 to 300 mls 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 before briefly remixing and using

Note: Mix consistency will appear thicker than standard adhesives but will still be smooth and easy to trowel. When mixed correctly mixed product will stick to underside of trowel without dropping off. If not holding tiles on wall as expected, mix in more powder to produce a stiffer mix or measure water for next batch.

Always add the powder to the water. Use a drill with suitable mixing paddle designed for the task. Do not mix by hand. Use a low speed mixer (300rpm).

APPLICATION

- Apply to the prepared substrate using a notched trowel. Use a 6mm notch for tiles up to 150x150mm, a 10mm notch for 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
- Check that enough of the substrate and tile back are in contact with adhesive (usually at least 80% but higher for large format tiles)
- Discard any material that has hardened before use
- Allow adhesive to harden adequately before grouting

All workmanship must be carried out in accordance with AS3958.1-2007 and good workmanship practices

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. It is advised that comparisons between products are based on the mixed volume.

When mixed bag yields 17 to 18 litres	
Approximate Coverage (10mm trowel)	
kg per m ²	m ² per bag
2.80	7.0

GROUTING

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

CLEAN UP

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

POT LIFE

3 hours at 22°C and 50% Relative humidity

SETTING TIME

<24 hours at 22°C and 50% Relative humidity
Pot life and setting will be influenced by ambient conditions. In warm or dry conditions, a shorter pot life and setting time should be expected and longer when cool. 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 & SHELF LIFE

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

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IMPORTANT NOTES

- All workmanship (including movement joints) must be carried out in accordance with AS3958.1-2007
- When fixing stone follow the recommendations in the Australian Stone Advisory Association (ASAA) Natural Stone Design Manual.
- Always read the entire Product Technical Datasheet before using
- Always refer to the Material Safety Data Sheet (MSDS) before using
- 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 and always check that it will support the intended weight
- 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
- When tiling directly onto waterproofing membranes check to ensure compatibility. If not already approved by Bostik in writing additional compatibility tests may be required.
- This product is not suitable for use with moisture sensitive stone, tile or other materials.
- If tiling is to be immersed use with 50% mix water replaced with Bostik Megalastic
- If considering tiling over paint it must be well bonded, clean and sound. Abrade and clean enamel paints. Prime with Multiprime before tiling.
- May be used to bond to existing tiles when 50% of mix water is replaced by Megalastic. Tile size is limited to 300x300mm when used outdoors. 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 before work starts for further advice if required.
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SAFETY PRECAUTIONS

SEE THE SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)

SDS can be downloaded from www.bostik.com.au

VOC – 1 g/Lt

voccertificates.australia@bostik.com

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PRECAUTIONS IN USE

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 Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.com/au for copies.

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



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