TECHNICAL DATA SHEET
AUS-BOND PRIMER, GROUT & MORTAR ADMIX

Liquid latex use as a primer for porous substrate prior to waterproofing, tiling or applying self-levelling mortars.
Also, can be used with cement-based mortars to reduce porosity, increase flexibility and bond strength.

Available in:
5L & 20L bucket

Internal & external use

Suitable for:

- Primer for porous substrate
- Tile adhesives
- Grouts
- Screeds
- Renders
- Patching mortars
- Slurry bond coats

As a primer:

Coverage per 1L
4 - 10 m^2

Description:

Aus-Bond Primer, Grout and Mortar Latex Admix is a specially formulated, self-crosslinking latex acrylic additive for use as a primer for porous substrates prior to waterproofing, tiling or applying self-levelling mortars.

Aus-Bond Primer, Grout and Mortar Latex Admix can be used with cement-based tile grouts to reduce water absorption, increase flexibility and help lock in colour. When used with cement-based tile adhesives, **Aus-Bond Primer, Grout and Mortar Latex Admix** increases flexibility, promotes a permanent bond and increases water resistance.

Aus-Bond Primer, Grout and Mortar Latex Admix can also be used as an additive to patching mortars, renders and screeds, as a slurry bond coat when mixed with Portland cement or cement-based tile adhesives, and as a primer prior to applying self-levelling mortars or waterproof membranes. Suitable for internal and external use. For best results do not dilute.

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TECHNICAL NOTES: AFTER 28 DAYS mixed with Aus-Crete Super

TENSILE STRENGTH (TS)	< 1.50 MPa
TS, 21 DAYS IMMERSED	< 1.00 MPa
TS, 14 DAYS HEAD AGEING	< 1.00 MPa
TRANSVERSE DEFORMATION	< 2.50 mm
COMPRESSIVE STRENGTH*	< 15.0 MPa

***When mixed with Aus-Crete Screed and Render**

Available packaging: 5L & 20L pail with white lids.

Surface Preparation:
All substrates must be clean and free from laitance, curing compounds, dirt, dust, grease, oil and any other contaminants that may inhibit bond. All substrates should be washed with clean water just prior to the application of the prepared mortar. **Aus-Bond Primer, Grout and Mortar Latex Admix** can be applied to damp surfaces when mixed with the appropriate mortar. All grout joints must be free from spacers and construction debris prior to grouting.

Mixing:
For best results mix diluted **Aus-Bond Primer, Grout and Mortar Latex Admix** with a slow speed mixer, one that does not entrap air into the mix. Add **Aus-Bond Primer, Grout and Mortar Latex Admix** to a clean mixing pail and slowly add the powder. Mix to a smooth creamy consistency for 2 minutes, then allow to stand/slake for 5 minute before remixing just prior to use.

Aus-Bond Primer, Grout and Mortar Latex Admix can be mixed with sand/cement mortars using a mechanical cement mixer. Do not over mix mortar. For use as a screed, mix approximately 2L of **Aus-Bond Primer, Grout and Mortar Latex Admix** with 20kg of dry blended sand/cement. For use as a render, mix approximately 2.4L of **Aus-Bond Primer, Grout and Mortar Latex Admix** with 20kg of dry blended sand/cement. Mixing ratios will vary depending on the sand/cement mortar and site conditions. Always mix **Aus-Bond Primer, Grout and Mortar Latex Admix** with Portland cement or sand/cement mixes as a slurry bond coat. **Aus-Bond Primer, Grout and Mortar Latex Admix** replaces the water when used as an admix for cement based tile adhesives. Do not dilute **Aus-Bond Primer, Grout and Mortar Latex Admix** when used as a primer.

Installation:
Primer: Apply **Aus-Bond Primer, Grout and Mortar Latex Admix** to suitably prepared substrates prior to installing waterproof membranes and self-levelling mortars. Install the

membrane or self-levelling mortar as per the manufacturer's specifications within 2 hours of the primer being touch dry. Reprime if the primer has dried for longer than 2 hours.

Mortar Admix: When **Aus-Bond Primer, Grout and Mortar Latex Admix** is used as a mortar additive for renders and screeds, the renders and screeds should be installed as per industry guidelines for the intended application. Wet/plastic renders should be worked into good contact with the substrate. Only apply as much render as can hang without slumping. Scarify the surface of the render if additional coats are required. When used as an additive for screeds, mix the mortar in the conventional method to a semi dry consistency, and apply to a wet slurry bond coat. All mortars should be compacted prior to finishing.

Adhesive Admix: All tile and stone installations should be made in accordance with Australian Standards and industry guidelines. **Tile Adhesive** is applied to the substrate with the flat side of the trowel. Ensuring that it is worked into good contact with the substrate, the trowel is then turned over and the notched side is used to comb out even ribs of adhesive onto the substrate. Be sure to use a suitable size notch trowel to suit the tile or stone, in general the larger the tile or stone the larger the notch trowel. Tile or stone is then placed into the adhesive and twisted, pushed, rubbed or tapped to ensure adequate coverage of adhesive and to promote good bond. When installing larger tile and stone the adhesive should be applied to the substrate as above and applied to the back of the tile or stone to ensure adequate coverage and good bond.

At no time should any tile or stone be spot fixed with conventional adhesives. If the wall or floor is not true and level apply the adhesive to the substrate as above, then back butter the tile or stone with additional adhesive to the required thickness to plumb and level the tile or stone work. Particular attention should be paid to the corners and edges of the tile or stone to ensure they are fully supported by the adhesive.

Some tile and stone can show staining from adhesives, particularly if the adhesive does not cover the full surface area of the back of the tile or stone. This is not a fault with the adhesive. To help prevent staining fully cover the back of the tile or stone with the adhesive, use a white or light coloured adhesive for translucent tile or stone. Staining occurs with some limestone, marbles and basalt but can occur with many stones and translucent tiles. A test area should be carried out on unknown tile and stone to ensure a suitable outcome for the project.

Apply only as much adhesive as can be covered within 10 minutes (while the adhesive is wet and tacky), as the open time can vary depending on the substrate, site conditions, wind and temperature. Do not install tile or stone on skinned adhesive. Do not tile over expansion/control joints in the substrate, these joints must be carried through the tile or stone work and must conform to Australian Standards. Install expansion/control joints at regular intervals in the tile or stone work as per Australian Standards.

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When installing tile or stone over cement sheet or waterproof membranes consult the suppliers for their installation specifications and instructions. Some cement sheet suppliers recommend placing expansion/control joints over all joints in the cement sheet. Additional expansion/control joints should be installed on lightweight constructions to help allow for additional movement in the substrate. Do not tile over cracks or cold joints, these should be treated as an expansion/control joint or treated with **Aqua-Flex WPM C3** as a crack suppression bandage prior to tiling.

Slurry Bond Coat: Always mix **Aus-Bond Primer, Grout and Mortar Latex Admix** with cement or a cement based tile adhesive when using it for a slurry bond coat. Ensure that adequate surface preparation has taken place on all substrates. Apply the pre-mixed **Aus-Bond Primer, Grout and Mortar Latex Admix** slurry bond coat to the prepared surface with a broom or trowel, approximately 2-3mm thick. Immediately apply the prepared mortar and tamp into place. Do not apply mortar to the slurry bond coat if it has dried or skinned. Porous substrates will speed up the drying process. **Aus-Bond Primer, Grout and Mortar Latex Admix** can be applied to damp substrates. When applying **Aus-Bond Primer, Grout and Mortar Latex Admix** slurry bond mix to a semi dry screed for traditional mud bed installations, apply the slurry bond coat with the flat side of the trowel to an even thickness over the levelled mortar. Place the tile or stone into the wet slurry bond coat and tamp, beat or vibrate into place. Clean all the excess slurry bond coat from the work promptly as the work proceeds. If required, **Aus-Bond Primer, Grout and Mortar Latex Admix** slurry bond can be applied to the back of the tile or stone, with the tile or stone then placed directly into the fresh mortar.

Cleaning:
Remove excess adhesive with clean water while work proceeds. Hardened adhesive will be difficult to remove.

Grouting:
Grouting can take place when the tile and stone has set firm. Remove all debris from grout joints prior to grouting, and ensure grout joints are an even depth to help prevent shading in grout. Install the grout as per manufacturer's recommendations, using as little water as possible in the clean-up process to help prevent efflorescence and colour variations in the grout. Always use grout from the same batch.
For best results dilute 1 to 1 with clean potable water. Porous tile or stone will cause the grout to dry fast on the face of the tile or stone. Care should be taken to remove all grout and grout haze from the face of the tile or stone work before it hardens.

Coverage:

Will vary due to site conditions and the substrate, as a guide 20kg of dry sand/cement requires 2L of **Aus-Bond Primer, Grout And Mortar Latex Admix** for a semi dry screed and 2.4L for a render. Whilst 3kg of sanded grout requires 1L of **Aus-Bond Primer, Grout and Mortar Latex Admix**, and 2kg of wall grout requires 1L of **Aus-Bond Primer, Grout and Mortar Latex Admix**. Coverage as a primer will depend on the substrate, varying from 4-10m^2 per L. Installations of waterproof membrane and self-levelling mortars should be made within 2 hours of the primer becoming touch dry. If the primer has been allowed to dry longer than 2 hours reapply the primer.

Precautions and Limitations:
This additive/primer may not be suitable for water sensitive tile or stone and some waterproof membranes such as full polyurethane, bitumen or torch on membranes. Always consult the manufacturer of these materials prior to starting the project. Do not use on tongue and groove timber or timber that is affected by moisture. In general, all timber should be overlaid with cement sheet prior to tiling or other applications. Always follow the installation instructions of the substrate supplier and Australian Standards.
Adhesives are affected by extremes of temperature. In hot weather conditions the adhesive will set fast and have a shorter open time; in cold conditions the adhesive will set slow requiring extended time prior to grouting and traffic. Do not use below 4°C and above 40°C. Structural failure and suitability of the substrate is outside of our control, care should be taken by the installer as starting the work constitutes acceptance of the substrate. Swimming pools and permanent wet areas should be allowed to cure for 14 days prior to being permanently submersed. Consult **ATA** if you have any questions.

Safety:
Refer to the Safety Data Sheet for full, detailed instructions in accordance with the hazardous chemicals code of practice.
Avoid breathing dust, wear an appropriate respirator and provide adequate ventilation. Avoid contact with skin and eyes, wear suitable gloves, eye protection and work wear when using all additives, latex, sand or cement-based products.

Warranty:
Australasian Tiling Adhesives Pty Ltd ("ATA") warrants that **Aus-Bond Primer, Grout and Mortar Latex Admix** ("the goods") will be free of defects for a period of up to seven years from date of installation, subject to the goods being utilised and installed strictly in accordance with Australian Standards and industry guidelines. The use of the goods is beyond the control of ATA and/or the supplier and the liability of ATA under this warranty is restricted only to the replacement of the material found to be defective. Structural failure of the substrate is not covered by this warranty and the manufacturer and/or supplier of the

goods will not be liable for any damage whatsoever arising from the incorrect use of the goods. A warranty claim must be made in writing by email to [admin@ata.com.au] by you within seven days of becoming aware of the defect. Proof of purchase by you, the date of purchase, and evidence of who installed the product, with relevant contact details, must accompany all claims. In the event of a dispute arising in relation to a claimed defect, ATA reserves the right to engage an independent expert to investigate and report, and the cost of the expert will be borne by the party at fault. The benefits to you given by this warranty are in addition to other rights and remedies you may have under any law in relation to the goods to which the warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods replaced or repaired if the goods fail to be of acceptable quality and the failure does not amount to a major failure."

Contact Details:
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