



TECHNICAL DATA SHEET

AUS-BOND ACCELERATOR CONCENTRATE



Description:

Aus-Bond Accelerator Concentrate is a specially formulated liquid additive for use in cement based mortars to increase the set times. **Aus-Bond Accelerator Concentrate** can be mixed with sand/cement, screeds, renders, cement based tile adhesives and grouts. **Aus-Bond Accelerator Concentrate** can be mixed full strength for a fast set time, or it can be diluted with clean water for a slower set time. Set times will vary depending on temperature and the type of mix it is added to. Caution: **Aus-Bond Accelerator Concentrate** is corrosive and care should be taken when using this product.

TECHNICAL NOTES: mixed with Aus-Crete Super

TENSILE STRENGTH 6 HOURS	≥ 0.50 MPa
POT LIFE	≥ 30 minutes
FOOT TRAFFIC	8 -12 hours
HEAVY TRAFFIC	≥ 24 hours
COMPRESSIVE STRENGTH*	≥ 15.0 MPa

Must be diluted 1 parts: 3 parts clean water prior to use.



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Notes:

Aus-Bond Accelerator Concentrate will reduce the pot life and open times of all cement based mortars by speeding up the setting process. Care should be taken when using this product. Set times will vary depending on site conditions, the design of the mortar mix and the type of installation. In general screeds and tile adhesives on floors will be ready for foot traffic in 4 hours and heavy traffic in 18 hours at 22°C.

Available packaging: 48 x 20L generic plastic pails with red 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 Accelerator Concentrate** 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 Accelerator Concentrate** with a slow speed mixer, one that does not entrap air into the mix. Add **Aus-Bond Accelerator Concentrate** 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 1 minute before remixing just prior to use.

Aus-Bond Accelerator Concentrate 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 Accelerator Concentrate** with 20kg of dry blended sand/cement. For use as a render, mix approximately 2.4L of **Aus-Bond Accelerator Concentrate** with 20kg of dry blended sand/cement. Mixing ratios will vary depending on the sand/cement mortar and site conditions. **Aus-Bond Accelerator Concentrate** replaces the water when used as a rapid setting admix for cement based tile adhesives.

Installation:

Mortar Admix: When **Aus-Bond Accelerator Concentrate** 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.



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Adhesive Admix: All tile and stone installations should be made in accordance with Australian Standards and industry guidelines. **Tile Adhesives** 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.

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.

Cleaning:

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



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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 Accelerator** for a semi dry screed and 2.4L for a render. Whilst 3kg of sanded grout requires 1L of **Aus-Bond Accelerator Concentrate**, and 2kg of wall grout requires 1L of **Aus-Bond Accelerator Concentrate**.

Precautions and Limitations:

Aus-Bond Accelerator Concentrate is corrosive and should not be used in conjunction with steel reinforcing, nor come into contact with steel on the jobsite. This adhesive 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.

Aus-Bond Accelerator Concentrate is corrosive and care should be taken. Avoid breathing dust, wear an appropriate respirator and provide adequate ventilation. Avoid contact with



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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 Accelerator Concentrate** (“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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