

# **AAC Superbond - Technical Data Sheet**

## **Product description**

Supercoat™ AAC Superbond Adhesive is a graded sand, cement, Calcium Carbonate and additive, dry mixed product for use as a Structural Thin Bed Adhesive for Autoclaved Aerated Concrete substrates. Supercoat™ AAC Superbond is designed for use over Autoclaved Aerated Concrete Blocks & Panels. Supercoat™ AAC Superbond Adhesive bonds the Autoclaved Aerated Concrete together for use in commercial and residential applications.

## **Code Compliance**

Supercoat™ AAC Superbond corresponds to the relevant parts of AS 3700:2001 "*Masonry Structures*" and the relevant parts of NZS 4229:1999 "*Concrete Masonry Buildings Not Requiring Specific Engineering Design*".

Information which is outside the scope of the above Standards in specific relation to Autoclaved Aerated Concrete construction can be found in the Manufacturers Technical Literature.

## **Mixing Information**

As a guide Supercoat™ AAC Superbond Adhesive requires approximately 30% water added (or as required) to achieve the required workable consistency.

1 x 25kg bag = approximately 7.5 litres of water.

### **Note:**

Water ratios given as a guide only.

Water added must be clean potable water.

Water temperature may alter the workable time for this product.

## **Application Method**

Supercoat™ AAC Superbond Adhesive is normally applied direct to the substrate using a notched trowel or dredge, Blocks & Panels must be rubbed together to ensure a strong bond has been created.

Supercoat™ AAC Superbond Adhesive can also be applied through specialized application machinery.

Supercoat™ AAC Superbond Adhesive performs best between 2-3mm thicknesses. Always refer to substrate manufacturers specifications for specific use.

## **Quality Control**

AAC Superbond is manufactured to specification in New Zealand by Ironbark Technology Ltd utilizing automated weighing and batching equipment in conjunction with a strict quality control regime, the manufacture of this product is guaranteed for the term offered.



## Storage

AAC Superbond must be kept dry and sealed, stored off the floor in a manner where moisture cannot come into contact with the bag or its contents. This Product has a shelf life of **6 months** after date of manufacture if stored as detailed above.

## Technical Data

Fresh AAC Superbond Volume – 16.25L of material per 25kg bag when mixed with water.

Fresh AAC Superbond Weight – 1.480kg/L when mixed with water.

Applied to Wall – 5.45m<sup>2</sup>/25kg @ 3mm thickness (approximate values).

\*Figures stated on TDS are given as a guide only.

\*Adhesion to the substrate varies dependant on the type and relevant densities of the Autoclaved Aerated Concrete being used. In all test cases the AAC Superbond was shown to be stronger then the substrate.

## Manufacturer

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The information contained herein is correct to the best of our knowledge. Due to product improvement and supply, these specifications may be subject to minor changes.