

# Acoustibond

Soundproofing ceramic, porcelain and stone tile adhesive

## Packaging



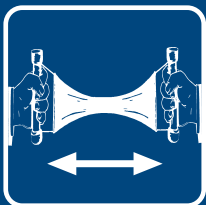
## Mixing



## Application



## Uses



## Substrates

Floors  
Concrete  
Cement Screed  
Compressed  
Cement  
Sheeting

## Description

**Acoustibond** is a two-pack acrylic / cement based ceramic, porcelain and stone tile adhesive with soundproofing properties.

## Features

- Exceeds the acoustic requirements of the Building Code of Australia
- Does not cause grout cracking
- Fully bonded and will not become drummy
- Easy mixing – two-pack formulation based on an acrylic resin and a cement / rubber crumb based powder
- Easy application – trowelable viscosity
- Low odour
- Water resistant
- Low V.O.C.
- Excellent adhesion to building surfaces
- Flexible
- Enhances acoustic and thermal properties
- Reduces impact noise by half

## Uses

A two-pack acrylic/cement based ceramic, porcelain and stone tile adhesive for bonding tiles to concrete, cement sheet and structural timber.

## Performance Data

Exceeds the performance requirements of AS ISO 13007.1.

### Tensile Adhesion Strength

1.02MPa

### Coverage (Approximate)

25kg powder plus 20L liquid / 8-10m<sup>2</sup> using 15mm notched trowel, over a true surface to give a minimum 3mm dry adhesive bed thickness.

## Specification

The ceramic tile adhesive will be an acrylic/ cement two-pack system such as **Acoustibond** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions. It shall exceed the acoustic requirements of the Building Code of Australia.

## Surface Preparation

All surfaces must be firm and clean, free from dust, waxes, paint, laitance and all contaminants.

## Priming

When applying **Acoustibond** directly to structural timber, porous concrete, cement screed and cement sheeting, prime with **Primebond**.

## Mixing

Mix ratio 20 litres of liquid with 25kg of powder to a thick creamy consistency. Pot life is approximately 1 hour, depending on temperature. Allow to stand for 5-10 minutes and restir before use.

## Application

Apply a 6mm x 6mm sound absorption tape to the walls surrounding the area to be tiled to stop the transfer of sound into the walls. Apply **Acoustibond** with a 15mm or **Acoustibond** notched trowel, applying only 1m<sup>2</sup> at a time. Fix tiles while the adhesive is wet on the surface. Press tiles firmly into the adhesive using a slight twisting, sliding action so that there are no voids beneath the tiles. Tiling must be in accordance with good trade practice and AS 3958.1. Butter the back of the tiles over 400mm x 400mm.

**The final bed must be a minimum of 3mm.** Clean off excessive adhesive from the tile before it dries.

Impact noise test results				
Noise reduction	FIIC	172mm concrete slab 100mm suspended ceiling 10mm plasterboard	Decibels (dB) L'nT,w	Noise reduction
	37	<b>Bare Floor</b>	69dB	Changes in sound level 3dB=Clearly noticeable 10dB=Half as loud
13	50	3mm <b>Acoustibond</b> 300mm x 300mm ceramic tiles	59dB	10dB

### Acoustibond exceeds the acoustic requirements of the Building Code of Australia.

The FIIC and L'nT,w rating vary depending on the building construction (i.e. concrete thickness, strength, use of suspended ceilings, density of tile/stone, and installation details). An accurate test is recommended for specific site performance figures.

## Cleaning up

Uncured **Acoustibond** may be removed from tools and equipment with water. Once cured, the material can be removed with any strong solvent.

## Cure Time

The floor can be grouted after 24 hours @ 23°C @ 50% relative humidity.

## Precautions

Do not alter mix ratio in any way (mixing extra powder or water), as this will substantially reduce its acoustic and adhesive properties. Not recommended for use with mosaic tiles. We recommend **Acoustiflor**.

**The adhesive bed must be not less than 3mm.**

**Tiles must be separated from the walls with 6mm polyethylene foam tape.**

## Safety Precautions

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet. Refer; [www.constructionchemicals.com.au](http://www.constructionchemicals.com.au)

## Shelf Life

1 year powder / 2 years liquid.



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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose.

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