

Acoustibond

Soundproofing ceramic, porcelain and stone tile adhesive

Packaging



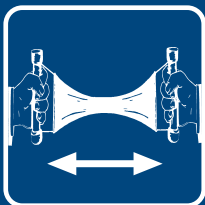
Mixing



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 and cement sheet.

Performance Data

Exceeds the performance requirements of AS ISO 13007.1.

Tensile Adhesion Strength
1.02MPa

Coverage (Approximate)

25kg powder plus 20L liquid / 8-10m² 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 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 1m² 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. Movement joints (5mm) to be at 5 metre grids, corners and room perimeters are filled with **Colour Seal** or **Sealflex**.

| Impact noise test results | | | | |
|---------------------------|------|---------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------|
| Noise reduction | FIIC | 172mm concrete slab 100mm suspended ceiling 10mm plasterboard | Decibels (dB) L'nT,w | Noise reduction |
| | 37 | Bare Floor | 69dB | Changes in sound level 3dB=Clearly noticeable 10dB=Half as loud |
| 13 | 50 | 3mm Acoustibond 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.

Grouting

Grout after adhesive has initially set, approximately 24 hours. Use **Kemgrout** mixed with **Primebond**.

Cure Time

Tiles will be trafficable after 24-48 hours depending on temperature and adhesive thickness.

Protect the adhesive from moisture and allow to fully cure for 7 days before putting into use.

Cleaning up

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

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**.

- **Do not use in ponded, continuously damp or immersed applications**
- **Apply adhesive at temperatures from 10-30°C**
- **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

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.

Feb 18