

# Acoustic System Specification

Project Name \_\_\_\_\_

Contact \_\_\_\_\_

The Acoustic Flooring System shall be a two-pack, flexible underlay, such as **Acoustiflor** and **Acoustibond** ceramic tile adhesive or **Ultrathane** timber flooring adhesive.

The ceramic tile adhesive shall be a two-pack, flexible adhesive that conforms to AS 2358 and has a minimum shear bond strength of 13.26kg/cm<sup>2</sup> (1.3MPa), such as **Acoustibond**, manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

The timber flooring adhesive will be a moisture cure, one-pack, solvent-free polyurethane with a Shore A hardness of 40 and has a minimum tensile strength of 1.5MPa, such as **Ultrathane**, manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

1. All surfaces must be structurally sound, firm and free from oil, grease, laitance, dust and other contaminants.
2. Priming: The porosity of the concrete determines the type of primer required, if the concrete is porous our normal primer is sufficient, but if the surface is steel floated and non-porous, **Primax** would be required to achieve maximum adhesion.
3. All hard surfaces coming in contact with the acoustic underlay, i.e., kitchen cabinets and walls must have the acoustic tape applied to prevent the tiles or timber coming in contact with these surfaces.
4. The acoustic underlay shall be applied at 5mm thickness using a **Dribond** Acoustic Trowel and allowed to cure for 48 hours prior to adhering the floor covering.



**Ceramic tile adhesives  
and grouts, waterproofing  
and repair products**

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[www.constructionchemicals.com.au](http://www.constructionchemicals.com.au)

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Wacol QLD 4076  
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Bayswater North VIC 3153  
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Wetherill Park NSW 2164  
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16 Carpenter Rd  
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33/2 Elite Industrial Estate  
Off Jalan Bukit Kemuning  
40400 Shah Alam  
Phone (603) 5122 2522  
Fax (603) 5122 2526



# Acoustic System



## Soundproofing Tiles & Timber Floors



Acoustibond application

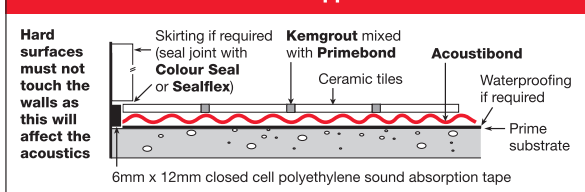


Acoustiflor application

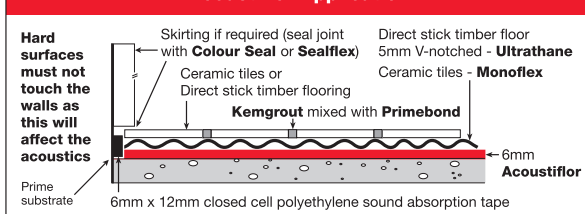
### Typical Impact Noise Test Results

172mm concrete slab 100mm suspended ceiling 10mm plasterboard	Decibels (dB) L'nT,w	Noise Reduction
<b>Bare Floor</b>	69dB	Changes in sound level 3dB=Clearly noticeable 10dB=Half as loud
<b>3mm Acoustibond</b>	59dB	<b>10dB</b>
<b>6mm Acoustiflor, 3mm Monoflex</b>	57dB	<b>12dB</b>
<b>6mm Acoustiflor, 3mm Acoustibond</b>	55dB	<b>14dB</b>
<b>6mm Acoustiflor, 2mm Ultrathane</b>	55dB	<b>14dB</b>

### Acoustibond Application



### Acoustiflor Application



**Fast, economical, easy-to-use solution to soundproofing tiles and timber floors in multilevel buildings.**

**Permanently bonds and won't become drummy.**

**Passes the soundproofing requirements of the BCA when used on 170mm+ slabs.**

Acoustic tests conducted by Auckland University show that the improvement in acoustic performance (Delta rating) of **Acoustibond** is  $\Delta L_w 11 \text{ dB}$ , and 4.5mm **Acoustiflor** and **Acoustibond**  $\Delta L_w 13 \text{ dB}$ .

**Acoustibond** is a trowel applied ceramic tile adhesive and is a fast, inexpensive solution to soundproofing tiles and adhering them at the same time and is the most cost effective acoustic solution.

**Acoustiflor** is a flexible, levelling, acoustic compound so it levels the floor before adhering the tiles with a ceramic tile adhesive.

The acoustic system can be applied 3, 4, 6 or 9mm thick to achieve the desired acoustic rating and cost.

**Acoustiflor** and **Acoustibond** are applied faster than competitive systems and will save cost and time.

# Project Specification

Site

Address

Builder

Architect

Fixing Contractor

## PATCHING AND LEVELLING

<input type="checkbox"/> Kitchen	<input type="checkbox"/> Living area	<input type="checkbox"/> Bedroom	<input type="checkbox"/>
<input type="checkbox"/> <b>Level Floor Standard</b>	<input type="checkbox"/> <b>Level Floor Tuff</b>	<input type="checkbox"/> <b>Level Floor V15</b>	<input type="checkbox"/> <b>Feather Floor</b>
<input type="checkbox"/> <b>Rapid Set 45</b>	<input type="checkbox"/>	Area - units no. / rooms / m <sup>2</sup>	<input type="text"/>

## WATERPROOFING MEMBRANES

<input type="checkbox"/> Shower alcove	<input type="checkbox"/> Bathroom	<input type="checkbox"/> Laundry	<input type="checkbox"/> Deck
<input type="checkbox"/> Balcony	<input type="checkbox"/> Swimming pool	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <b>Flexible Sealer</b>	<input type="checkbox"/> <b>Liquid Flash 1</b>	<input type="checkbox"/> <b>Liquid Flash 2</b>	<input type="checkbox"/> <b>Hydrathane</b>
<input type="checkbox"/>	<input type="checkbox"/>	Area - units no. / rooms / m <sup>2</sup>	<input type="text"/>

## ACOUSTIC SYSTEMS

<input type="checkbox"/> Kitchen	<input type="checkbox"/> Bathroom	<input type="checkbox"/> Laundry	<input type="checkbox"/> Dining area
<input type="checkbox"/> Living area	<input type="checkbox"/> Bedroom	<input type="checkbox"/> Balcony	<input type="checkbox"/>
<input type="checkbox"/> <b>Acoustibond</b>	<input type="checkbox"/> <b>Acoustiflor</b>	Area - units no. / rooms / m <sup>2</sup>	<input type="text"/>

## CERAMIC TILE ADHESIVES

<input type="checkbox"/> Wall	<input type="checkbox"/> Floor	<input type="checkbox"/> Deck	<input type="checkbox"/> Balcony
<input type="checkbox"/> Facade	<input type="checkbox"/> Swimming pool	<input type="checkbox"/> Driveway	<input type="checkbox"/>

## Primer

<input type="checkbox"/> <b>Primebond</b>	<input type="checkbox"/> <b>Primax</b>	<input type="checkbox"/> <b>Epecrete</b>
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## Adhesive

<input type="checkbox"/> <b>Monoflex</b>	<input type="checkbox"/> <b>Gripflex</b>	<input type="checkbox"/> <b>Floor &amp; Wall and Elastacrete</b>
<input type="checkbox"/> <b>Ultima</b>	<input type="checkbox"/> <b>Rapidfix</b>	<input type="checkbox"/>

## Grout

<input type="checkbox"/> <b>Kemgrout Flexible</b>	<input type="checkbox"/> <b>Kemgrout Sanded</b>	<input type="checkbox"/> <b>Epegrout</b>	Colour	<input type="text"/>
Area - units no. / rooms / m <sup>2</sup>			<input type="text"/>	

Representative

Date