

# ACOUSTIC SYSTEMS

**Construction Chemicals manufacture a range of products that reduce impact noise between floors on multi-level constructions.**

## ACOUSTIBOND

Is a two pack flexible tile and stone noise reduction internal/external adhesive.

Coverage 20litre/25kg pack coverage 10-12 m<sup>2</sup> (12mm notch trowel)

## ACOUSTIFLOR

Is a two pack floor levelling noise reduction membrane that can be used internally or externally and in wet areas that is applied 6mm thick.

Coverage 20litre/20kg pack coverage 7m<sup>2</sup>/6mm thick

## ULTRATHANE

Is a one pack solvent-free polyurethane adhesive suitable for timber and green marble with noise reduction properties.



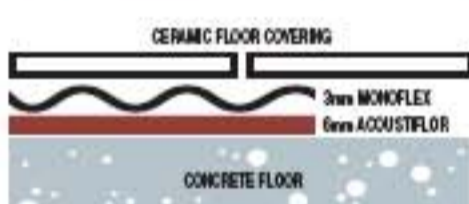

Coverage 10 litre container coverage 10-13 m<sup>2</sup> (5mm notch trowel)  
800ml Sausage 0.8m<sup>2</sup> (5mm notch trowel)

### Impact noise is measured as L'nT,w+c

Sound Response in Room below L'nT,w+c

|                  |           |
|------------------|-----------|
| Loudly Audible   | <b>70</b> |
| Audible          | <b>65</b> |
| Slightly Audible | <b>60</b> |
| Barely audible   | <b>55</b> |

### Results on L'nT,w + c ratings based on a floor construction of 200mm (32mpa) concrete slab, 150mm cavity and 13mm plasterboard

|  | L'nT,w+c  | Compliance              | Notes  |
|--|-----------|-------------------------|--|
|  | <b>68</b> | NONE Compliant BCA 2007 | <b>BARE CONCRETE</b>                                       |
|  | <b>56</b> | Compliant BCA 2007      | <b>CERAMIC TILE</b><br>3mm ACOUSTIBOND                     |
|  | <b>48</b> | Compliant BCA 2007      | <b>CERAMIC TILE</b><br>3mm MONOFLEX<br>6mm ACOUSTIFLOR     |
|  | <b>44</b> | Compliant BCA 2007      | <b>15mm BAMBOO</b><br>1.5 mm ULTRATHANE<br>6mm ACOUSTIFLOR |

ACOUSTIBOND, ACOUSTIFLOR/MONOFLEX, ACOUSTIFLOR/ULTRATHANE exceed the requirements of L'nT,w+c ≤62 as required by the Building Code of Australian 2007.

The L'nT,w+c ratings will vary on the type of construction (ie. concrete thickness, strength) but the results give an indication of the expected reduction in sound transmission.

