

# Abzorba™

## Acoustic Underlay

"We have used many acoustic underlays and Abzorba is the easiest to handle and lay. Our clients have been more than satisfied with the product's noise reduction qualities"

Steve Heald, Hardwood Floors

Abzorba™ acoustic underlay effectively reduces impact noise for all types of hard flooring. It provides high IIC rated noise-absorption improvement, as measured by industry experts and backed by independent laboratory and field tests in a variety of floor-ceiling assemblies.

Impact noise is an invisible hazard and a growing problem in New Zealand buildings. The reduction of noise transfer between ceilings and floors is now a building requirement.

When laid in accordance with our installation requirements, Abzorba™ provides users with a sound-deadening substrate for floor coverings by absorbing noise transfer through floors. It is designed to work with all hard floor surfaces and complies with latest Building Codes for noise control.

Abzorba™ is ideal for hotels, apartments and commercial buildings when it is important to keep noise levels to a minimum. It can be used as an impact absorbing layer between all types of products, i.e under timber flooring, floor tiling, on stair treads, wooden sports floors, under timber framed joists and timber battens/joists.

It can be laid internally, above a concrete slab and beneath a wooden floor. or ceramic tiles, or laid externally on suitable finishes along walkways.

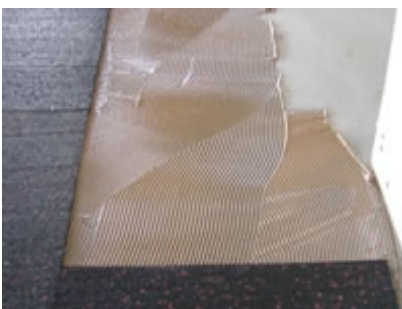
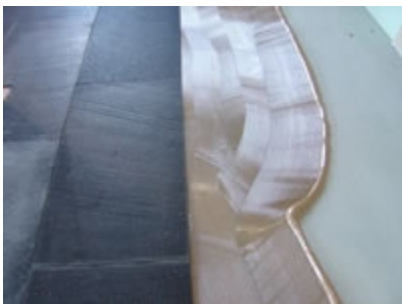
In addition to its sound-absorbing qualities, Abzorba™ is also designed to be convenient to handle and use. The underlay is only 6mm thick and it is produced in 1m x 0.5m sheets - making them easy to transport, cut and install (we can also custom-build to suit individual architectural requirements).

Manufactured to industry design specifications and produced in NZ from 100% recycled rubber; Abzorba™ is environmentally friendly – and a seriously cost effective solution from Burgess Matting (a NZ owned and operated company recognised as a leader in its field).

Abzorba™ provides an ideal acoustic impact noise solution that is easy on the ear, easy on the pocket and easy on the environment.

**"You can hear the Abzorba™ difference"**

**Beware of Imitations:** Abzorba™ acoustic underlay has been engineered and independently tested to provide a quality acoustic damping system. It is very important to ensure branded Abzorba™ acoustic underlay is specified and installed by qualified installers. Any deviation from the use of branded Abzorba™ acoustic underlay can significantly compromise performance.



# Abzorba™ Acoustic Underlay

## Specifications

- Category:** Sound-absorbing acoustic underlay sheets designed for easy handling and installation between floor base and floor surface.
- Material:** Flexible rubber sheets made by bonding selected recycled rubber granules.
- Usage:** Various indoor situations where acoustic damping is required. Ideally suited as an acoustic underlay for hard flooring (wood, ceramic tiles, concrete). End- use applications include apartments, hotels, cinemas, offices, and sports, arts, entertainment and performance centres.
- Thickness:** 6mm (precision cut - but some slight deviations can be expected)
- Size:** 1000mm x 500mm (standard sheets - other sizes available)
- Weight:** 6kg per square metre.

## Installation Guidelines

Floors must be level to +/- 3mm over 3m, sheets require 3mm expansion joint every 3m (particularly important for balconies), waterproof membrane may be required on some concrete slabs, sheets can only be installed by approved installers using recommended glues and laying guidelines (refer to Burgess Matting for further advice).

## Testing & Development

Abzorba™ consists of long-life 100% recycled rubber sheets specifically manufactured and designed in New Zealand to diminish the environmental impact of noise and vibration in today's busy living society.

Abzorba™ has been independently tested to industry standards ASTM E1007-97 & E989-89. ISO 140-7:198 & 717-2:1996

Field Impact Sound Insulation Data:

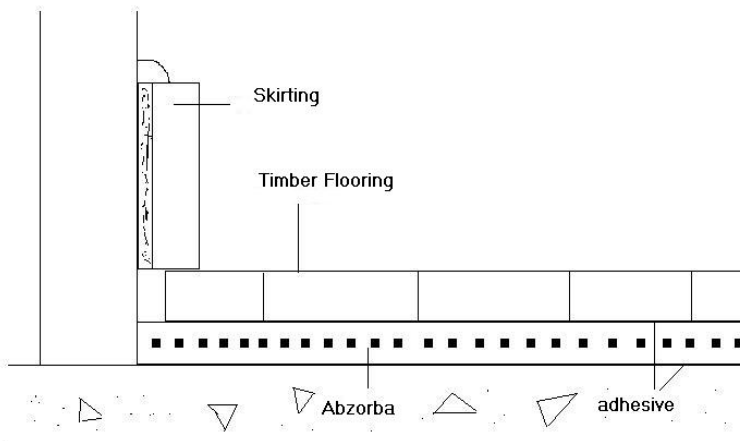
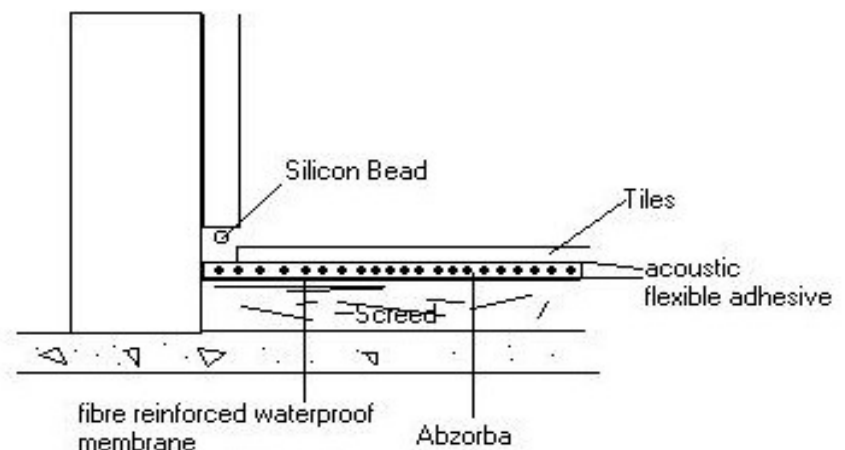
- Abzorba 6mm acoustic underlay
- 200mm concrete slab
- Bostik Ultraset Glue
- 12mm Tasmanian Oak strip flooring

### Results:

- **IIC rating bare concrete = 37**
- **IIC rating with Abzorba = 51**

Abzorba™ summary of benefits:

- Highly cost effective
- Impact absorbing
- Unaffected by water
- Provides Anti- fatigue properties
- NZ maded using 100% recycled rubber
- Improved airborne sound insulation
- Reduced impact noise
- Minimised increase in floor level
- Easily cut and shaped
- Simply and quickly installed
- Tested to ISO 140-717
- Conforms to NZ Building Code G6



**Abzorba™**  
 easy on the ear  
 easy on the pocket  
 easy on the environment

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