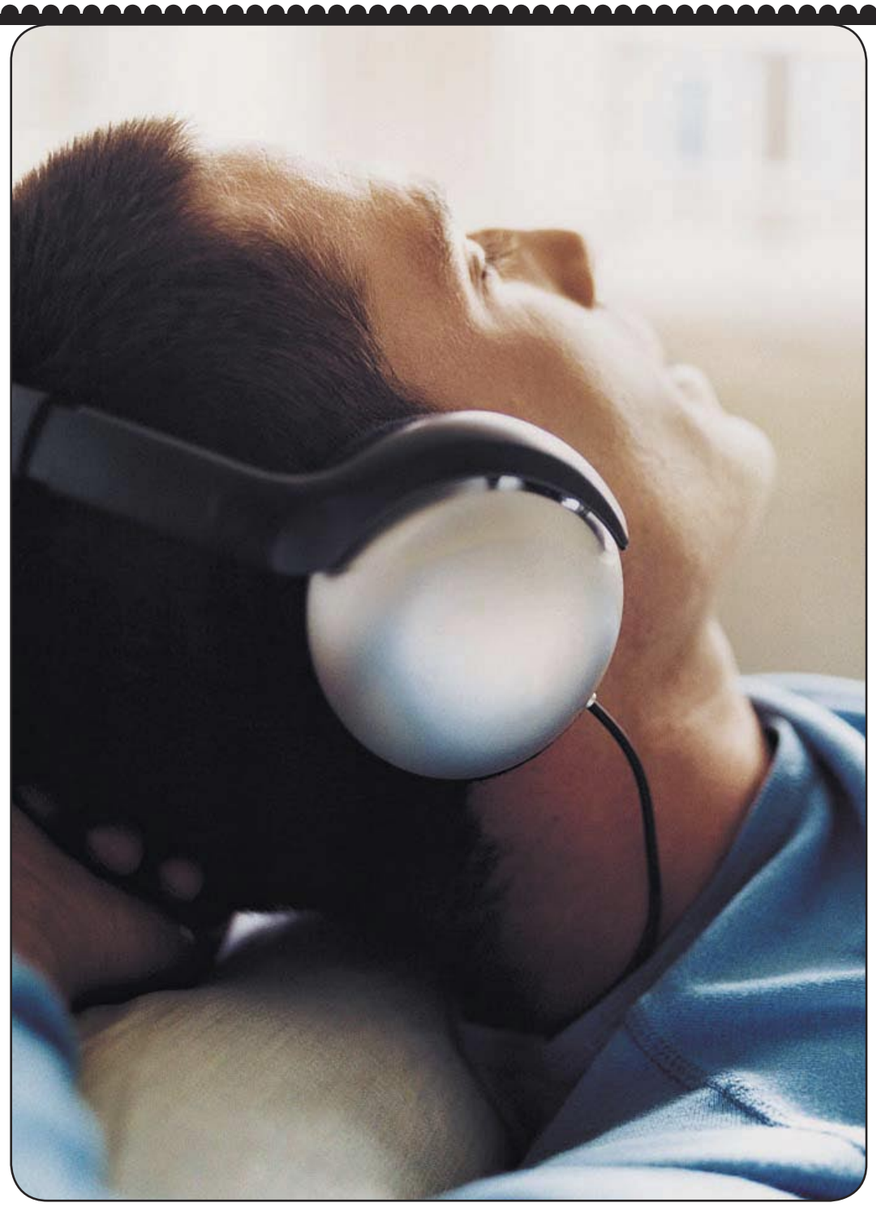
Gilt Edge

easy on the environment

easy on the pocket

easy on the ear



Abzorba™ acoustic

Fabric: Flexible rubber acoustic sheets allowing easy handling and installation.

Usage: Various indoor situations where acoustic damping is required.

eg: multi story apartments and offices, accommodation, sports, arts and performance centres.

Manufactured Thickness: 6mm.

Size: Standard 1000mm x 500mm

Weight: 6kg per square metre.

Composition: **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.

- Independently tested to industry standards
- Highly cost effective
- Impact absorbing
- Unaffected by water
- Anti fatigue properties
- Distributed by Gilt Edge Industries

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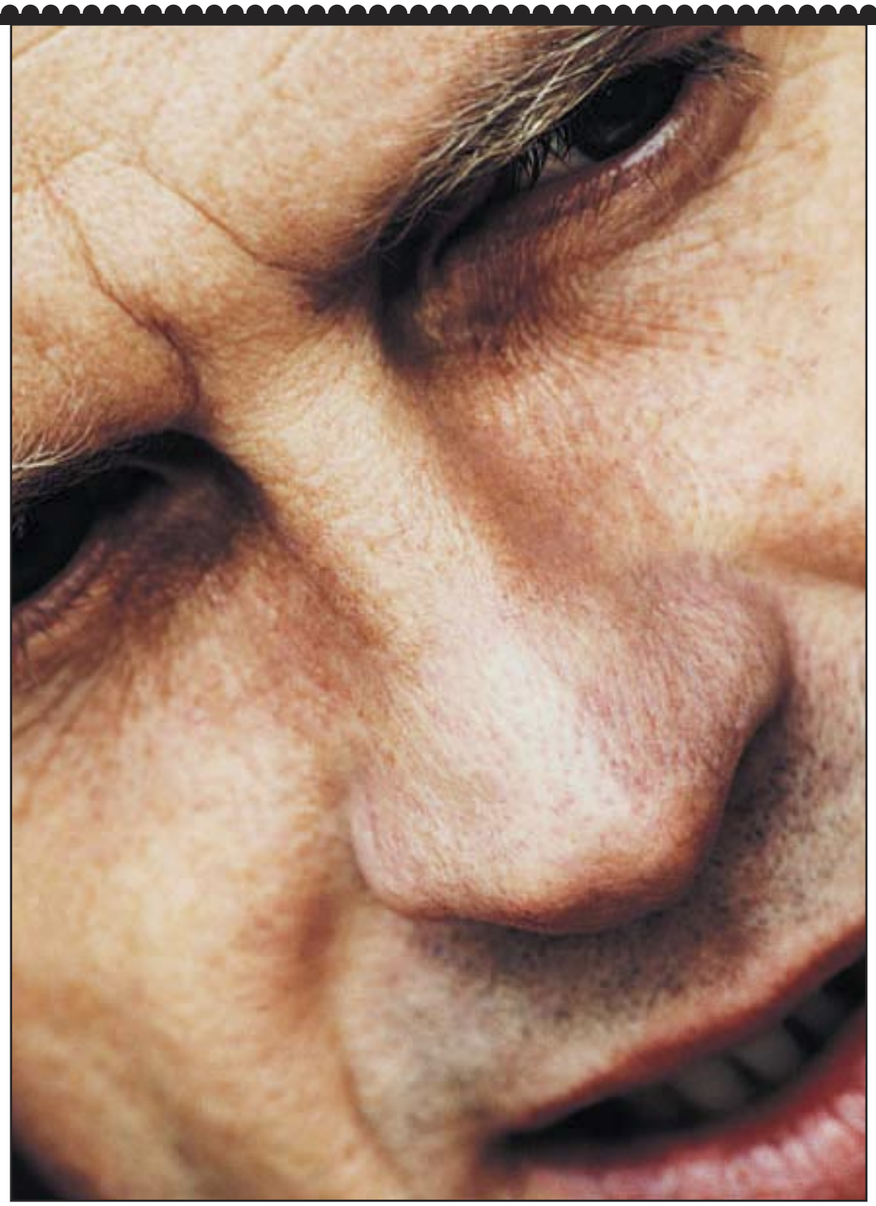
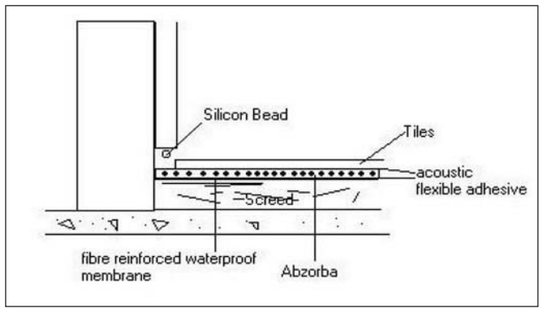


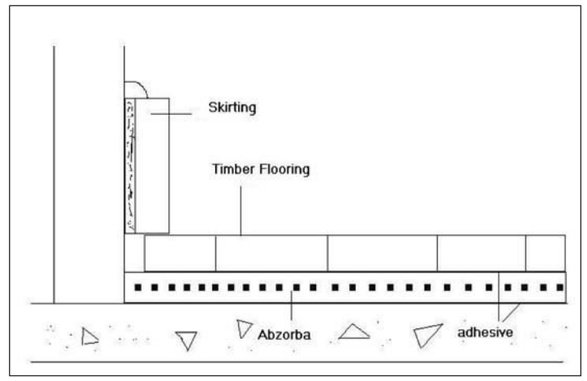
Abzorba™ acoustic

Abzorba™ laying specification samples.

Tile Floor



Timber Floor



Other specifications are available on request.

Beware of Imitations

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

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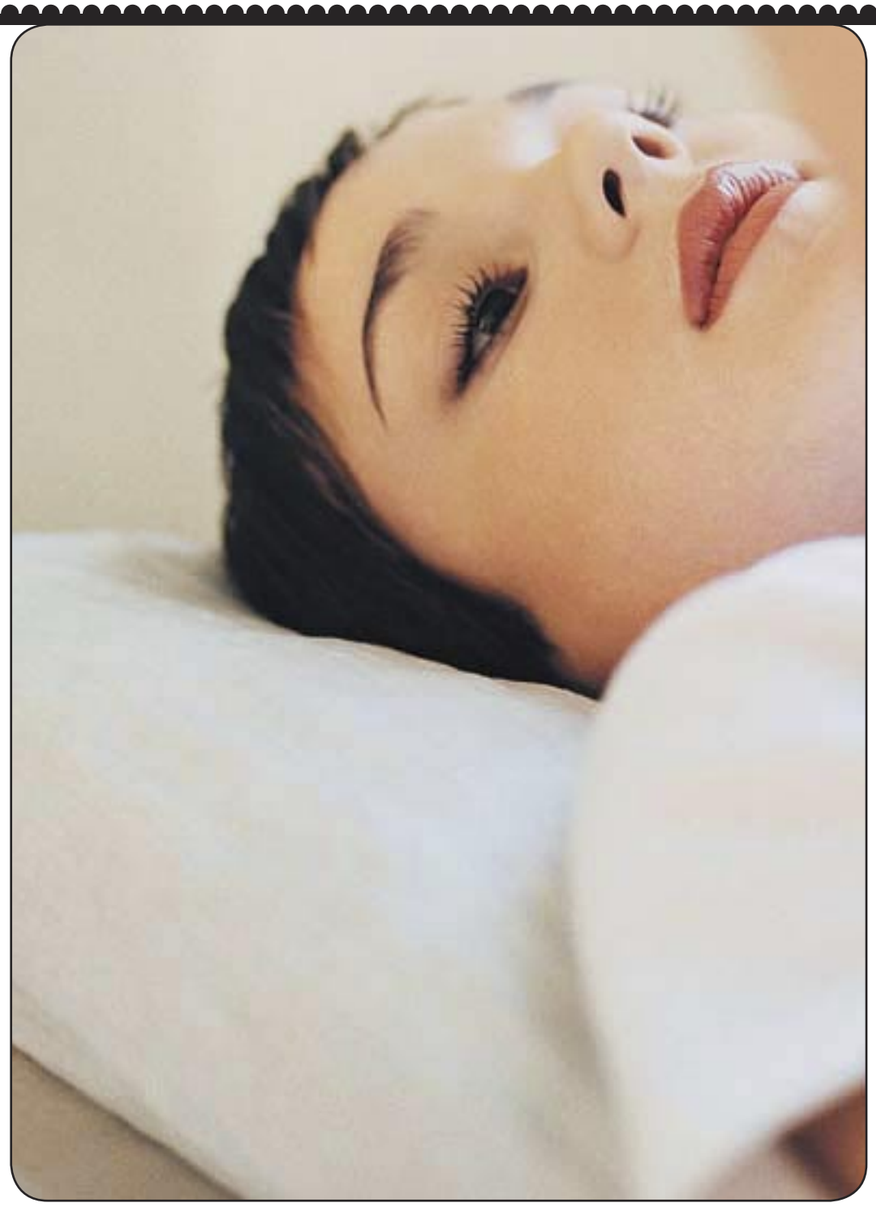

Abzorba™ acoustic

Worth Making A Noise About

Eco-Friendly Flexible acoustic sheets suitable for Structural Isolation.

Description

Abzorba™ is a standard 6mm thick flexible rubber sheet 1000mm x 500mm.
(Can be custom made to any thickness up to 40mm on request)

Applications

- Our continued research verifies **Abzorba**™ significantly reduces airborne and impact noise levels over a wide range of fifferent floor constructions including under timber flooring, ceramic floor tiling, on stair treads, under sports floors etc.

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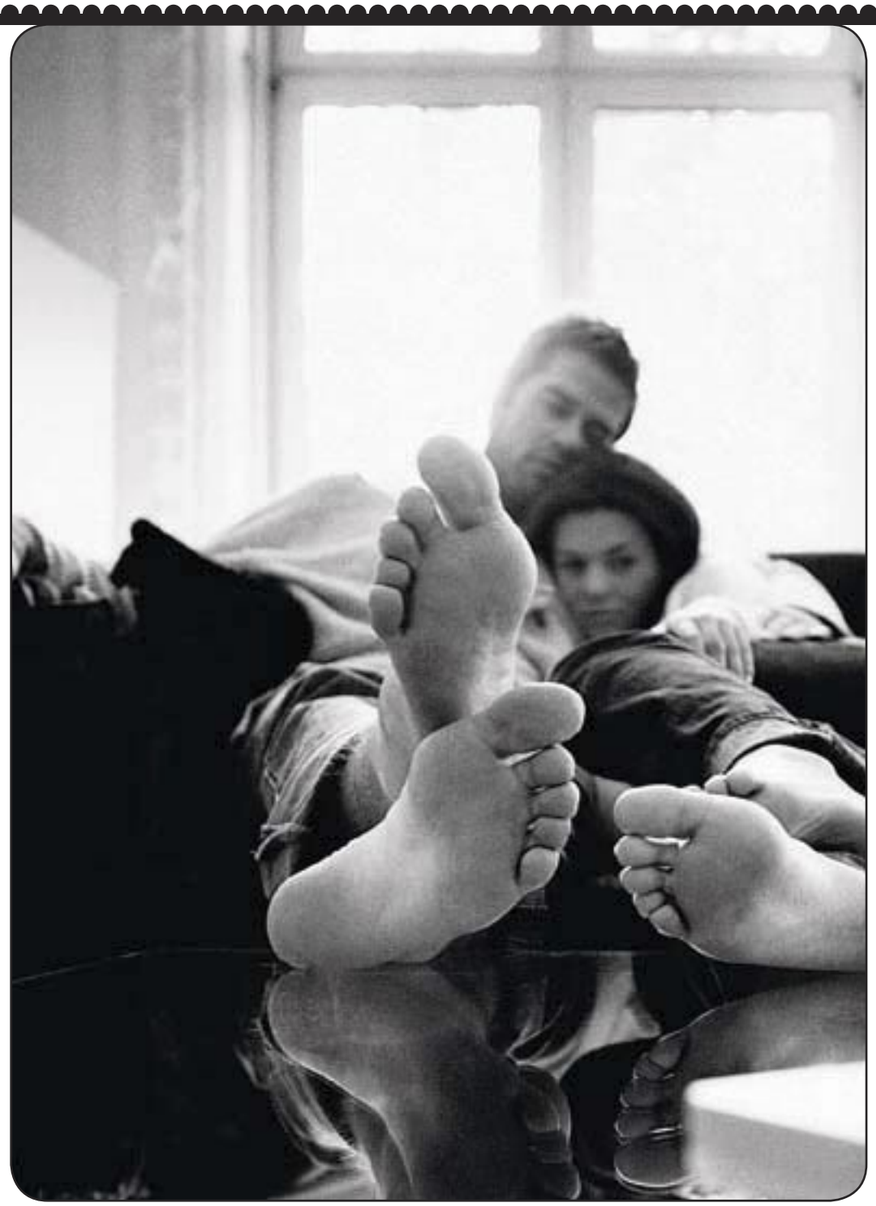

Abzorba™ acoustic

Worth Making A Noise About

Notes

- Floors must be levelled to +/- 3mm over 3m.
- Abzorba may vary slightly in thickness as all types of mats of this structure will.
- Abzorba requires a 3mm expansion joint every 3m; this is particularly important on balconies.
- **Abzorba**™ can only be installed by approved installers to ensure a high quality control.
- Waterproof membrane may be required on some concrete slabs.

Adhesives are to be as follows

- When gluing **Abzorba**™ Mat directly to concrete with tiling on top, a recommended adhesive product is to be used.*
- A recommended product to be used in the wet areas under **Abzorba**™ Mat and when tiling on top of **Abzorba**™ Mat.*

Contact the team at Gilt Edge Industries for further information about suitable adhesive products.

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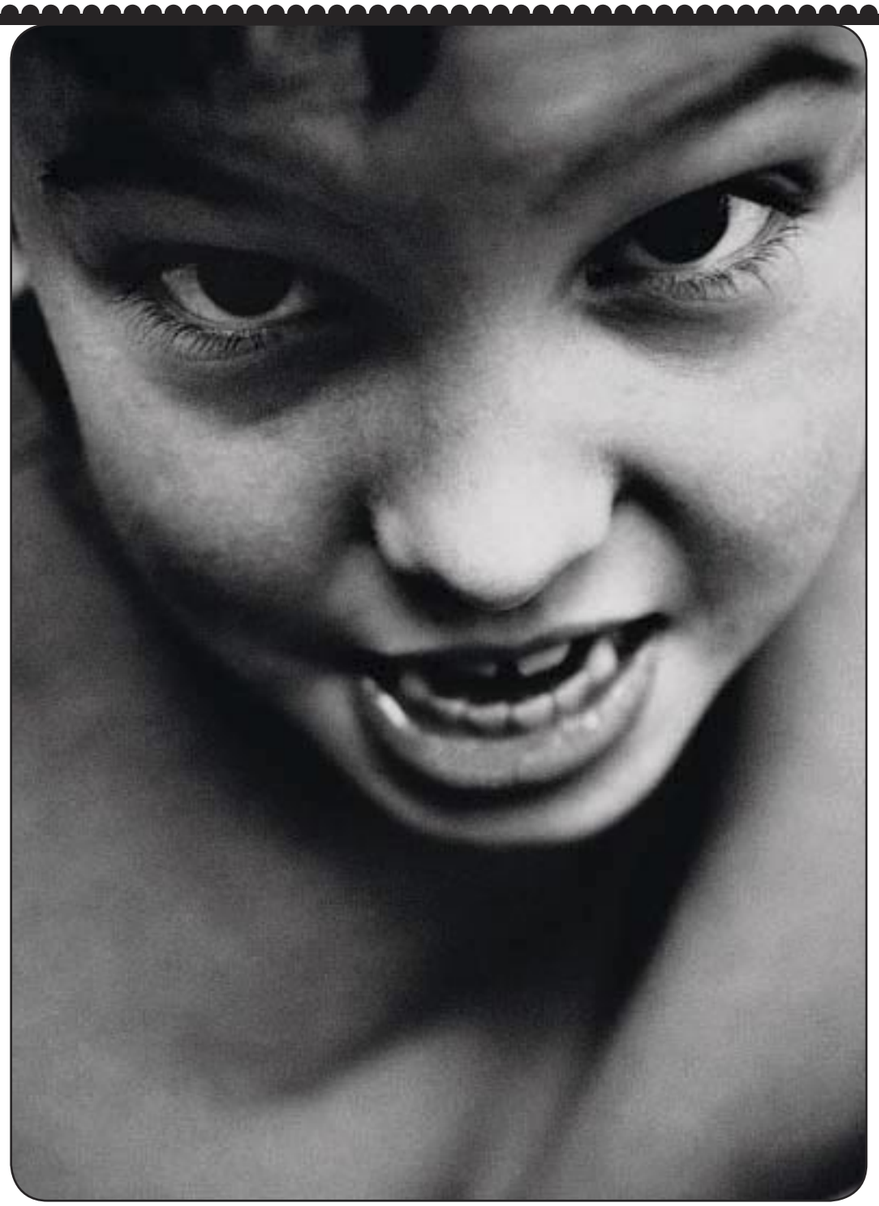


Abzorba™ acoustic

Comparative Impact Isolation Tests – Field Measurement

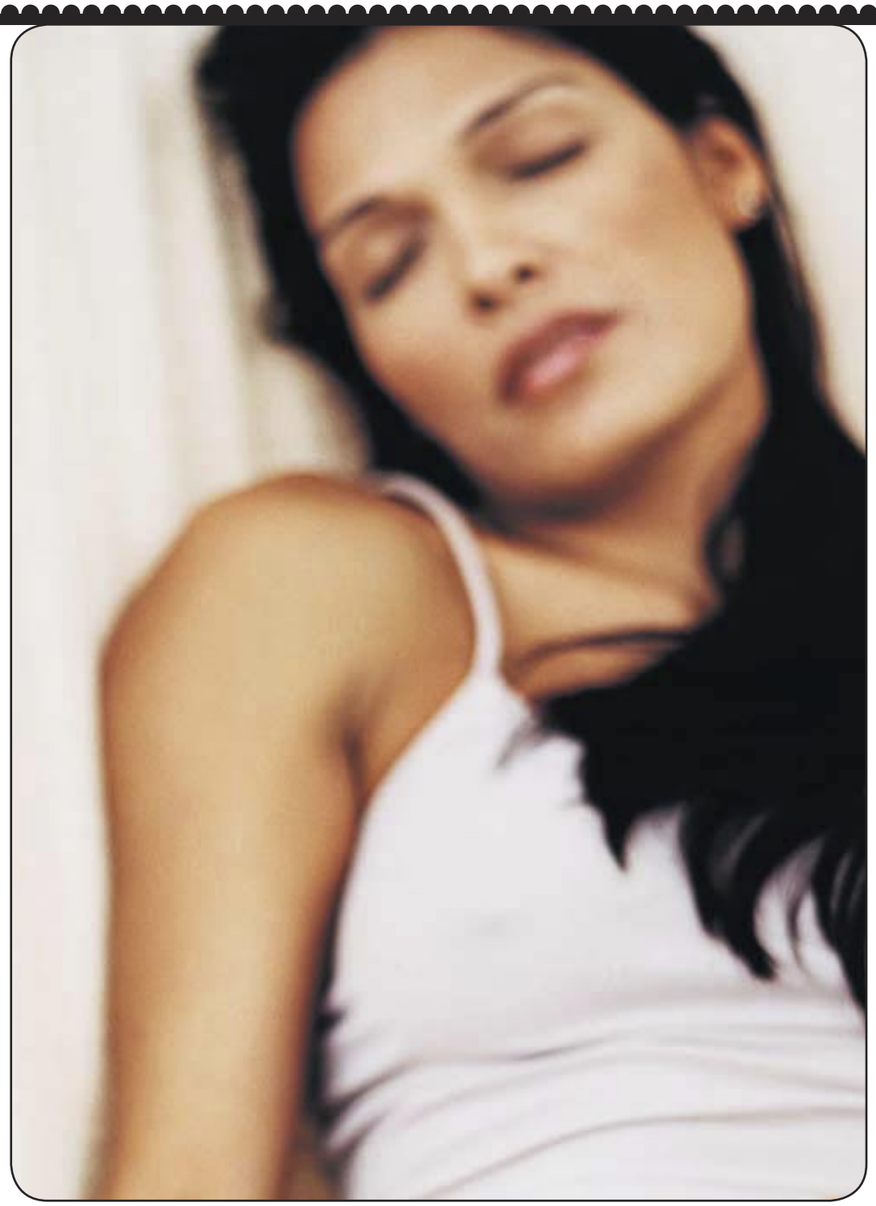
As requested the impact noise isolation of the 6 test sample on the floor of Apartments at 41 The Esplanade was measured on June 26, 2003.

Impact Isolation Rating Systems

Two methods are used to assess impact noise from flooring systems are:-

- "Weighted Standardised Impact Sound Pressure Level (L'nTw) as defined in the International Standards method as described in ISO 140-7:1998 and 717-2:1996.
- Impact Isolation Class (IIC) as defined in the American Standard ASTEM E1007-97 and E989-89. The IIC has been widely used in New Zealand in the past.

Both measures are presented in the report.



Abzorba™ acoustic

Test Procedure

The test method was based on the requirements of ISO 140-7 and ASTM E1007.

Building: The floor tested was a bedroom floor on the third floor.

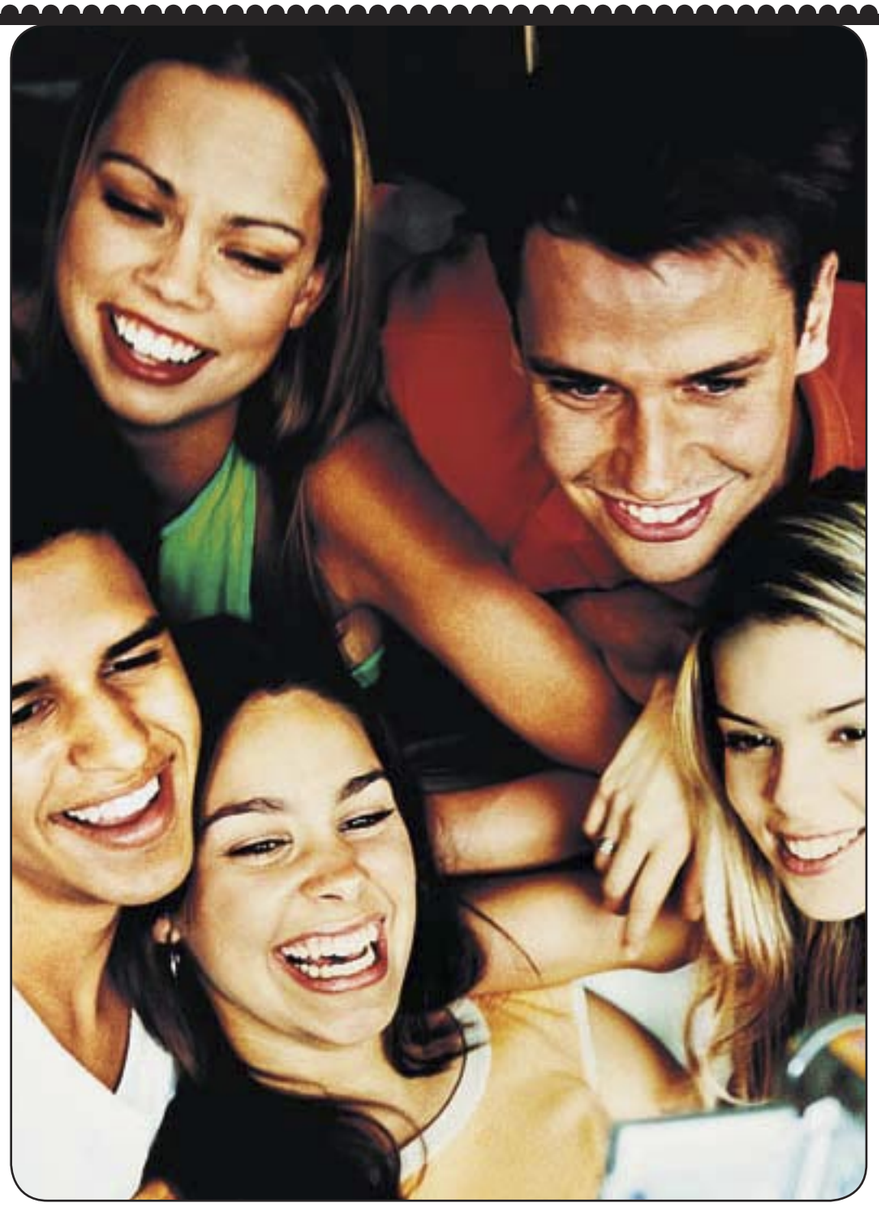
Noise Source: A Norwegian Electronics NOR211 Tapping Machine was used to generate impact noise and the resultant noise level was measured in the unfurnished room below. The measurements were carried out as a sweep of the space. The tapping machine was set up on the four diagonal locations on the sample and on the bare concrete floor directly adjacent.

Floor Ceiling Construction: The floor ceiling construction consisted of:

200mm concrete slab

250 to 300mm ceiling void with R 2.5 polyester insulation

10mm plasterboard ceiling resiliently suspended



Abzorba™ acoustic

Test Procedure (continued)

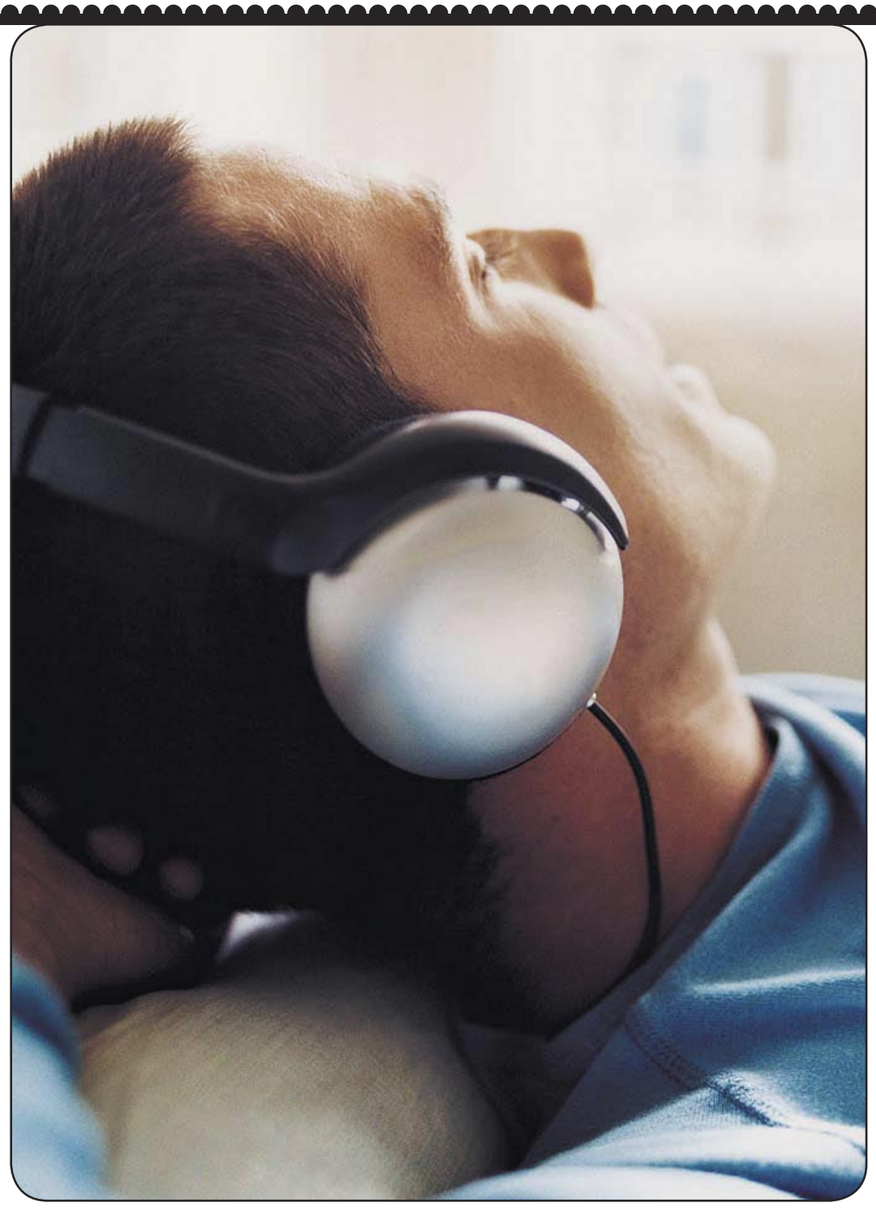
Receiving Rooms: The receiving room was the unfurnished bedroom on the floor below. The volume of the room tested was 45m.

Noise Level Measurements: Noise level measurements were taken with a Bruel & Kjaer Type 2260 Investigator. The meter was calibrated prior to and after measurements with no significant drift noted.

One third octave band sound pressure level measurements (Leq) were taken as a sweep of the room for each of the noise source locations.

Background noise level was measured in the receiving room. Where the impact sound levels were within 10 dB of the background noise levels, a correction for background noise has been made in accordance with ISO 140-7. No adjustments were required.

Absorption in the Receiving Room: The absorption in the receiving room was determined from the Reverberation Times (RT) of the rooms. The RT's were measured in 1/3 octave bands in each of the rooms from an impulse noise source using the B&K 2260.



Abzorba™ acoustic

Measurement Results

The results of the measurements are set out in the attached Field Impact Sound Insulation – Data Sheets. The results can be summarised as follows:

	L'nt,w	C1	IIC
Bare Concrete	71	-9	37
12mm Tasmanian Oak strip flooring on			
Sample 1 6mm Dri-Bond	61	-3	48
Sample 2 **Abzorba**™ A 6mm	57	-1	51
Sample 3 **Abzorba**™ B 6mm	59	-2	49
Sample 4 **Abzorba**™ C 6mm with 12mm plus underlay	64	-4	44
Sample 5 5mm Impacta Mat (Embelton)	59	-2	49
Sample 6 ASA 2mm Peel & Stick	60	-3	49

Abzorba™ A (Sample 2) delivered a 37% improvement in sound reduction

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Impact Sound Insulation