

# 120dB STUDIO: SOUNDPROOFED.

DYNAMAT

KEEPING THE NEIGHBOURS HAPPY WHILE PUMPING THE MUSIC... SYDNEY-BASED INTERNATIONAL DJ PRODUCER ALEX K, FACED THE CHALLENGE OF SOUNDPROOFING HIS RECORDING STUDIO, SITUATED IN A 7 STOREY BUILDING.



## The Issues

A common dilemma faced by many people in built-up residential areas is unwanted noise, resulting from factors like wild neighbours or other external sources such as traffic, trains, aircraft etc.

Apart from being the recipient of unwanted noise, chances are you're also a noise-maker yourself! Whether it's a state-of-the-art home theatre system, a punchy hi-fi system, big parties, or even a music studio, it's only natural and fair to want to get the most out of your investment, hobby or work equipment!

International DJ Producer Alex K, faced similar issues in his Sydney home, which also happens to house his recording and mixing studio. Three critical needs presented themselves: (1) to block external noise that interferes with recording and audio quality, (2) to mitigate sound leakage to neighbours, i.e. contain the high dB output of music, and (3) to retain aesthetic qualities by using a product that doesn't leave the studio looking like a dark padded cell.

The whole apartment including studio rooms recently underwent a full refurbishment, and architectural consultant Linea Designs went for a clean look throughout the premises, by using timber floor boards. Positioned on the top floor of a 7 storey building, the key issue therefore, was mitigating sound transmission through the floor with a product that could handle 120dB, while sitting neatly tucked under the flooring...

## The Solution

**Dynamat** is a US manufactured brand & product range used globally for its sound, heat and vibration damping efficiency. One of the products developed specifically for architectural treatments in residential and commercial buildings is Dynil.

**Dynil** is a dense, ultra-pliable acoustic barrier that prevents sound transmission through walls, floors and ceilings. At only 2.5mm thick, this water and oil resistant material is easily fixed to: stud frame walls (eliminating the need for extra layers of plasterboard); any flooring material, and various ceiling structures. Dynil also complies with fire rating standards and is resistant to temperature extremes (-40° to + 105° C).

Used extensively throughout Australia for Home Theatres, Dynil is installed during the construction or re-modelling of any space and was successfully used in this studio and throughout the whole apartment, prior to the laying of flooring. The results? Dynil has an STC (Sound Transmission Class) rating of 28, & can block out up to 40dB of sound/noise, so the neighbours are happy & the music can pump...



DJ/Producer Alex K ([www.alexk.com.au](http://www.alexk.com.au))

## Project:

Recording Studio + Apartment

## Needs:

Soundproofing/  
Sound Isolation

## The Dynamat Range

A few other weapons of mass-dB reduction from Dynamat include DynaPad, En-Wall, DynaBox and Xtreme.

**DynaPad** is a 4-layer composite sound barrier for use under carpet. In fact, prior to the refurb in this studio and apartment, DynaPad was being used under the carpet. Like Dynil, DynaPad can be installed above or below any noise source given it features the same STC and dB ratings. The additional water and oil resistant foam layers (total 12mm) also means it can be used in lieu of carpet underlay.

**En-Wall** and **Dynabox** are *retro-fittable* enclosures engineered to work with ceiling and wall-mounted speakers. Without a rigid enclosure from which to fire, speakers produce unwanted vibrations running everywhere, including noise leakage into adjacent rooms. Boxing your speakers within the wall or ceiling, results in a better sounding speaker and a better controlled acoustic environment.

Finally, **Xtreme** is an ultra thin, light-weight material with a self-adhesive peel and stick backing that conforms and fuses easily to sheet metal and any other hard surface. In architectural and urban settings, Dynamat Xtreme is installed to quieten duct work, appliances, sinks, vents, motors and various other noise sources thus providing the ideal platform for a perfect acoustic environment.



## Product & Description:

DYNIL - is a dense, ultra-pliable acoustic barrier that prevents sound transmission through walls, floors & ceilings. Dynil prevents unwanted external noise & isolates sound within a space.

## Product Application:

DYNIL is ideal for home theatres, media rooms & any residential or commercial environment requiring sound/acoustic treatment.

## Additional Dynamat Products:

DYNAPAD, DYNABOX, EN-WALL, XTREME

## Where to Buy:

Contact Australia-Wide distributor AudioXtra for your nearest Dealer/Retailer:

SYDNEY: 02 8841 9000 [info@audioxtra.com.au](mailto:info@audioxtra.com.au)  
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