

Wood/Laminate Underlay

ACOUSTIC WOOD/LAMINATE UNDERLAY

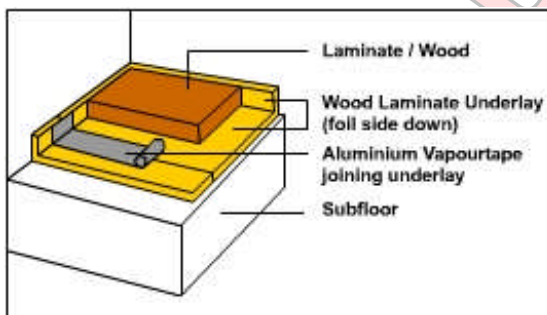
This is a superb acoustic underlay designed specifically to reduce the transfer of impact noise (walking/footfall) through floating laminate, engineered wood and solid timber floors. The main problem with wooden/laminate floors is that when you walk on them much more impact as well as airborne noise is produced (due to the hard surface) and this can often be a nuisance to the people living below.

This product comprises a 4.2mm layer of high density resilient rubber sponge with a foil faced moisture barrier laminated to one side. Easily cut with a knife or scissors and when used in conjunction with our soundproofing mats first will provide both impact AND airborne noise reduction through the floor for minimal height rise.



INSTALLATION

1. The subfloor must be level, sound, dry and free from dust, grease and other contaminants. It must be free from excessive moisture with a relative humidity not exceeding 75% (in accordance with BS5325). A hygrometer test should be performed in all new buildings to check for excessive levels of humidity.
2. The underlay should be laid foil side down (essential to ensure maximum resistance to moisture from the subfloor) with each roll of underlay closely butted-up. The underlay should be trimmed-in flush to the walls.
3. Tape all joins with our Aluminium Vapour Tape and press firmly into place.
4. Once the flooring has been fully laid, trim the underlay to the top of the flooring, fit skirting or quadrant to finish.
5. Aluminium Vapour Tape used in conjunction with a recommended underlay creates a new, moisture-resistant subfloor onto which the wood or laminate flooring is fitted (in accordance with the manufacturer's recommendations).



ACOUSTIC PERFORMANCE

Weighted Impact Sound Improvement Index (Delta Lw) 27dB!!

To further improve airborne noise reduction our soundproofing mats can be used underneath this product first.

Sone wood/laminate flooring test

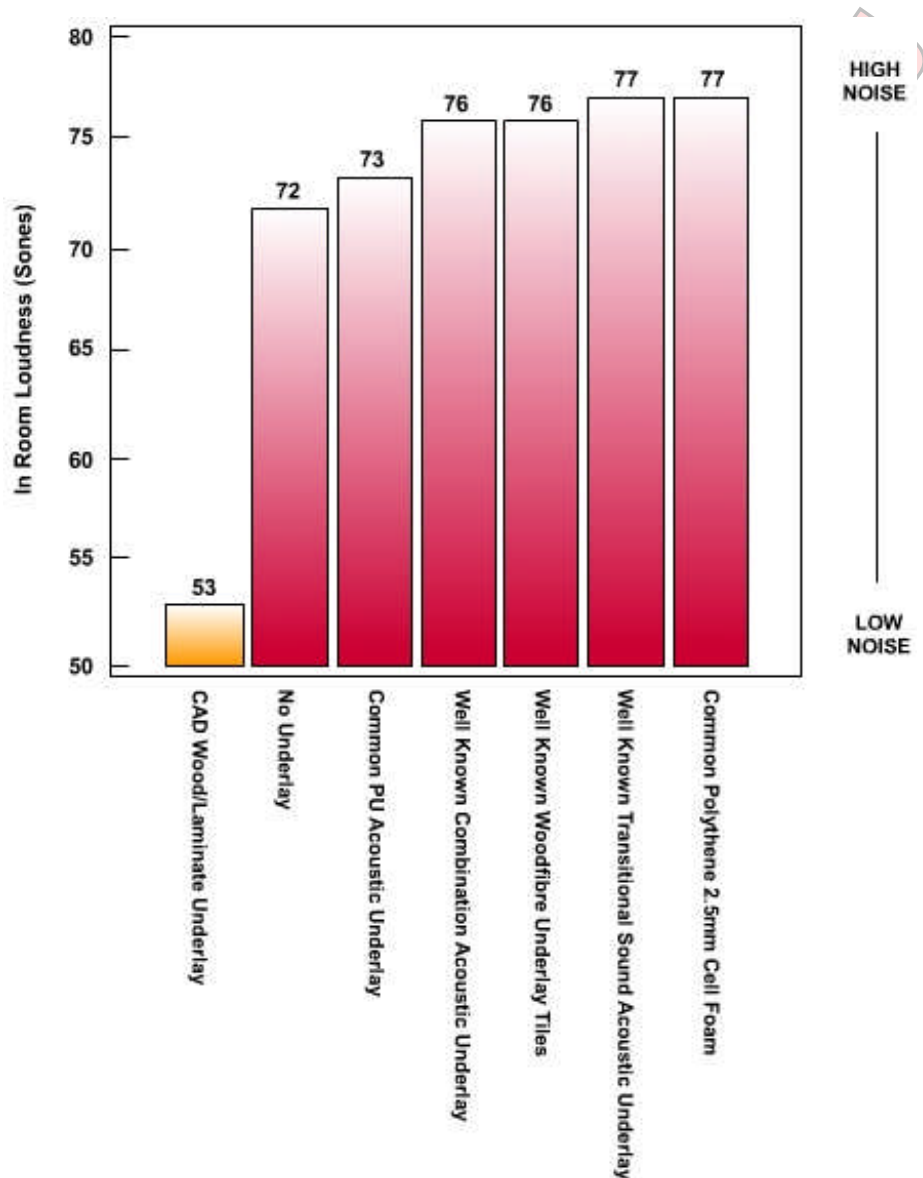
Drum sound emission (Overall loudness)

Typical 2.5mm PE Foam=77 Sone - this product tested at only 53 Sone!!

The Drum Sound Test

The Drum Sound test is measured in 'SONES', a measurement of perceived loudness, scaled for human auditory sensitivities. The tests confirm that our wood/laminate underlay significantly reduce 'in room' noise when used under wood and laminate flooring, due to its heavy mass, stability and 'stay put' qualities which help to absorb sound energy. The test shows 'in room' acoustics can worsen if inferior or lightweight underlays are used - putting a lightweight, air filled cellular product under wood or laminate creates an echo chamber ... **and more noise!**

The graph below shows comparison between several laminate acoustic underlays widely sold in the UK and all tested to the SONE standard - under Unilin UniClic 700 laminate at the Fraunhofer Institute Holzforschung Germany to EPLF - Norm 021029-1



SONE measurements for our Wood / Laminate Underlay (ours the yellow bar)

"Some lightweight underlays give even higher SONE ratings than no underlay at all"

GENERAL PHYSICAL DATA

Roll Size:- 8m x 1.37m
Thickness:- 4.2mm
Weight:- approx. 3Kg/m²

All information contained in these details is given in good faith but without warranty. Custom Audio Designs reserves the right to alter the specifications of any product without notice.