

HARMONY SILENT-STEP HIGH DENSITY UNDERLAY

Harmony Silent-Step underlay is a two part High Density foam underlay designed to reduce the noise associated with Timber and Laminate floors. Producing a floor with a more solid feel and traditional acoustics. Our underlay is also backed with an LDPE Silver film moisture barrier creating real protection from rising moisture. Harmony Silent-Step Underlay has been field tested to meet the acoustic requirements of most residential and multi-story developments.

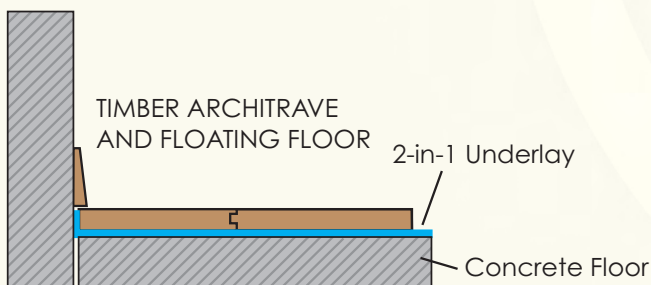
IMPACT ISOLATION CLASS

A measure or specification of isolation effectiveness of building structures from impact noises such as slammed doors, dropped objects, footfalls, shuffled furniture, etc. The higher the IIC rating, the better such isolation. Impact noises can be transmitted through walls, floors, and ceilings throughout a building and re-radiated at distant locations. Careful design and special construction materials (floating floors, isolation pads, resilient channels, spring rails, flexible connectors and hangers, for example) can help improve IIC ratings, which may be thought of as the structure-borne equivalent of the airborne noise ratings addressed by Sound Transmission Class (STC). The test is performed by placing a tapping machine in a source room and measuring the noise levels in a receiving

room, which is located on the opposite side of the partition being tested and is the one most directly affected by the noise. Multiple measurements are conducted for each test. When the tapping machine is activated, the machine taps the floor with five small steel hammers at the rate of ten taps per second. Several measurements are then made in the receiving room to determine the average sound level. The noise levels measured in the receiving room are divided into sixteen one-third octave bands ranging from 100Hz to 3150Hz inclusive. The tapping machine is then moved to a different location where another set of noise measurements are taken. This procedure is repeated two more times for a total of four locations and four sets of measurement data.

FEATURES AND BENEFITS

1. Reduce both upwards and downwards noise by up to 35% when compared with other underlay's.
2. Easy to handle light weight rolls reduce wastage and cost associated with installation.
3. LDPE silver backing reduce issues arising from slab moisture or rising damp.
4. Extra tough to wear onsite exposure from tools and boots
5. Will not promote the growth of mould.
6. Will not retain water or excess moisture.
7. Suitable for applications over multiple subfloors including concrete, particle board, tiles and cork.
8. Compatible with our full range of products including Laminate, Engineered Timber and Bamboo floors.
9. L_nw + C1 = 52 on site field tested multi-story.



FLOATING TIMBER FLOORS

2-in-1 Underlay

LDPE foam underlay. Backed with 100 micron waterproof LDPE Silver film with 80mm overlap, 3mm thick applied over concrete, under floating timber or laminate floors. Apply PP tape to butt joints. Return edges at wall to isolate floor from walls. 20m x 1.2m x 3mm rolls.

Field test result L_nT,w+C1 = 54. FIIC = 57.

SPECIFICATIONS

Reflected Noise adjustment	- 30%
Field Impact Insulation Class ISO 717/2	60
Thickness Of Product	3mm
Backing	LDPE Silver polymer
Compression Reduction (8hour)	0.2%
(500 Hour)	0.9%
Rolls	1000mm x 2000mm

