

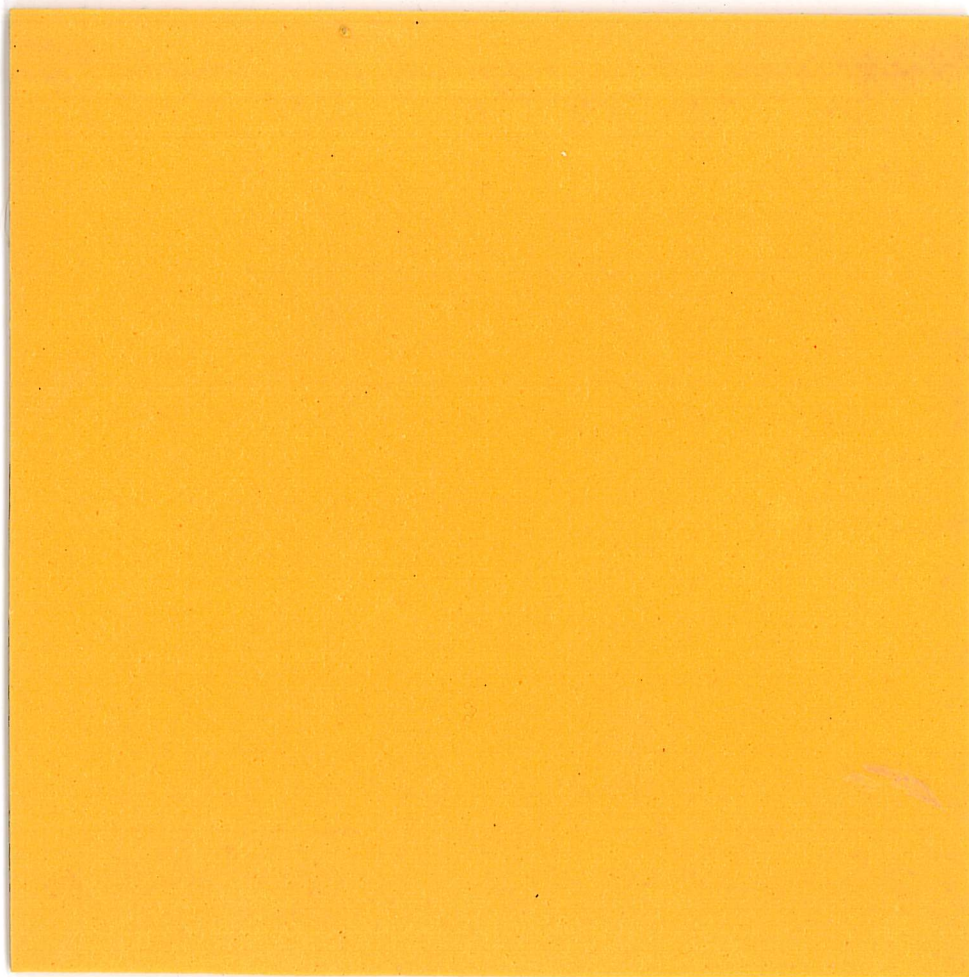
# 5-in-1



**For applications where solid-wood acoustics are important, our Safe&Sound Underlay provides the sound transformation you need.** In addition to its unique acoustic properties, Safe&Sound also offers antimicrobial protection against mold and mildew. Its moisture and vapour protection makes Safe&Sound ideal for basements, bathrooms and general, over-concrete installations.

- Floor Underlayment • Sound Cushion • Impact Sound Insulator • Self-sealing Moisture Barrier
- Antimicrobial and Antifungal Protection

- Premium polyurethane foam underlayment and vapour barrier, with 3" self-seal adhesive overlapping edge.
- Superior step sound absorption and impact sound insulation (IIC-rated).
- Guaranteed for commercial installations and for use under any floating floor: laminate, hardwood, cork or linoleum.
- Unmatched resiliency for extra support.



Product specifications on back of page.





Shield your family from mould and mildew, for healthier living all year round.

## Backed by laboratory tests for Ultra-Fresh technology used in Safe&Sound:



### Antibacterial Test (AATCC Method 147)

The bacteria used are staphylococcus aureus, commonly found on the skin. The yellow streaks indicate rapid growth of the bacteria. In contact with the untreated

fabric bacterial growth spread quickly. However, no bacterial growth occurred in contact with the Ultra-Fresh treated sample.

Note the extra protection provided by the "zone of inhibition" around the treated sample.



### Antifungal Test (AATCC Method 30)

The fungus is Aspergillus niger, commonly found and referred to as "mildew." After 7 days, the dark fungus is highly visible. On the untreated sample fabric, there is

fungal growth everywhere except for a small corner of fabric. By comparison, the fabric treated with Safe&Sound's Ultra-Fresh technology shows no growth and again a "zone of inhibition" around the sample.

## Dimensions:

- Thickness: 2.16mm (approx., 3/32")
- Width: 36 and 72" useable width (plus a 3" self sealing lip)
- Length: 33'4" and 50'
- Roll sizes: 100 sq.ft. (3' x 33'4") and 300 sq.ft. (6' x 50')

## Product composition:

- High-density polyurethane foam with incorporated Ultra-Fresh anti-microbial and anti-fungal treatment
- Polyethylene film: 6-mil, LLDPE
- Self seal adhesive strip: 1/2" wide with a 3/4" release liner, hot melt, acrylic latex.
- Thermal Resistance Factor (R): SI Units: 0.035 K.m<sup>2</sup>/W  
British Units: 0.199 °F.ft<sup>2</sup>.h/Btu

No harmful VOC emissions; tested and approved, as per State of California Department of Health Services Standard, Practice (also known as California Section 01350). Approved for Radiant Heat installations. Check for details at [www.torlys.com](http://www.torlys.com)

*Guaranteed to last as long as your floor.*

## TORLYS Safe&Sound

Tested and True: The Quietest Floor. The Quietest Rooms.

For reflecting sound and making rooms quiet, nothing works better than Safe&Sound.

### RADIATED SOUND TESTS: LAB RESULTS

The best results are expressed by the lowest dBA ratings

UNDERLAYMENT	Steel Ball Drop***	
	Lmax* [dBA]	SEL** [dBA]
TORLYS Safe&Sound	97.8	94.6
TORLYS 2.5mm Cork	99.3	96.5
Recycled Rubber	99.1	96.2
Rubber with bonded backing	97.1	95.3
Synthetic Fiber with Poly film	100.7	98.2
Acoustic Synthetic Fiber	100.0	96.1

Radiated Sound is the (level of) sound you hear when you walk on the floor.

\*maximum measured level [Lmax, in dBA] from the impact (1/32nd second resolution)

\*\*single event level [SEL, in dBA] from the impact, representing all of the radiated sound energy in the event, normalized to 1 second duration

\*\*\*Test performed on 8mm TORLYS Laminate Flooring

### FIIC SOUND TEST\*: FIELD RESULTS

FLOORING	FIIC RATING
7mm TORLYS/Quick Step	57
8mm TORLYS/Quick Step	57
9.5mm TORLYS/Quick Step	56
TORLYS Twin Peaks	57
TORLYS Fairmont	57
TORLYS Summit	56
TORLYS Everest	56
TORLYS Cork	59

A FIIC - Field Impact Insulation Class - is a rating indicating the acoustic insulation of a floor to impact noises. The letter "F" in FIIC indicates that the results relate to "Field" tests, performed in an actual building and not in a laboratory.

CMHC (Canada Mortgage and Housing Corporation) recommends a minimum IIC rating of 55 for hard-surfaced floors.

\* Field IIC tests, as per ASTM E989 / E1007. Test reports available upon request.

Tests performed over an 8" concrete slab, without a suspended ceiling.