
SOUNDGARD™

SOUND REDUCTION
MAT UNDERLAYMENT



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IMPACTING INTERIOR ENVIRONMENTS

Today's lightweight building structures pose many challenges for architects and engineers. Impact sound reduction within multi-level units is imperative to meet building codes and deliver high levels of acoustical control and privacy for interior spaces.

HIGH IMPACT SOUND PERFORMANCE

A resilient mat sheet made from 100% recycled rubber, the 6 mm SOUNDGARD delivers an Δ IIC (Impact Insulation Class) rating of 52 without a suspended ceiling*. SOUNDGARD's combination of high Δ IIC rating, ease of installation, lower height requirements, relative cost and guaranteed performance place it ahead of competitive systems. Additionally, the 100% recycled rubber offers tenacious bond strengths for the installation of the resilient mat to the floor as well as to ceramic tile, porcelain and all natural stones. The bond is so reliable that Custom Building Products offers a warranty for the entire installation. SOUNDGARD is a single source sound improvement package.

LOWEST SYSTEM HEIGHT

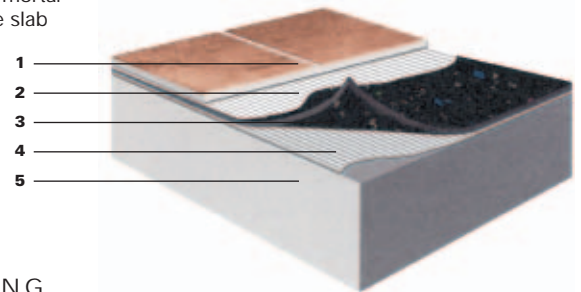
The SOUNDGARD single-ply system not only delivers a certifiable sound reduction improvement, but also does it with a significantly thinner system than either honeycomb boards or nylon matrix products. SOUNDGARD is resilient which means better impact sound performance, but is also used in a direct bond construction, lowering construction height and cost. The SOUNDGARD height benefits can translate into additional usable space within a building design and eliminate the need for ramping between rooms and costly extras like taller cabinets and door jambs.

VERSATILITY

Product range and versatility are critical to builders and architects alike. SOUNDGARD offers thickness options that produce exceptional results under hard surface flooring and over concrete or wood joist constructions. Custom thicknesses are also available upon request to meet specific Δ IIC requirements.

SINGLE SLAB CONCRETE INSTALLATION

- 1 Floor finish
- 2 Thin-set mortar
- 3 SOUNDGARD
- 4 Thin-set mortar
- 5 Concrete slab



TESTING

Tested and rated by TCA for light commercial use as an underlayment for ceramic tile over concrete using the Robinson Test (ASTM C627), SOUNDGARD has proven performance ratings with many types of popular surfaces. Installation procedures of SOUNDGARD vary depending on the finished floor selection. For best results, refer to SOUNDGARD installation instructions and technical data.

TCA 
Tile Council of America, Inc.



TECHNICAL DATA

SOUNDGARD			
THICKNESS	ASTM TEST METHOD	2.5 MM (3/32")	6 MM (1/4")
Form and Dimensions	—	48" x 75'	48" x 30'
Weight/Sq. Ft.	—	0.35 Lbs.	0.9 Lbs.
Weight/Roll	—	105 Lbs.	108 Lbs.
Compression (Deflection)	F36	25%-35%	25%-35%
Tensile Strength	D412	100 PSI Min	100 PSI Min
Shore A Hardness	D2240	45-55 Duro	45-55 Duro
Tear Strength	D624	40 Lbs./In Min	40 Lbs./In Min
Compression Set B	D395	40% Max	40% Max
TCA Robinson Test	C627	Light Commercial	Light Commercial

PACKAGING

2.5 mm thickness, 48" x 75' rolls

6 mm thickness, 48" x 30' rolls

WARRANTY

Custom® Building Products will warrant the tile or stone installation over 6 mm SOUNDGARD for a period of up to 5 years. Reference product data sheet for detailed information.

ΔIIC RATINGS TECHNICAL DATA

SOUNDGARD'S ΔIIC CONTRIBUTION TO FLOORING CONSTRUCTION			
FLOOR STRUCTURE & FINISH	ASTM TEST METHOD	2.5 MM (3/32")	6 MM (1/4")
ΔIIC Improvement By SOUNDGARD		15	20
Bare 8" Concrete Slab*	E989	32	32
Bare 8" Concrete With SOUNDGARD & No Ceiling*	E989	47	52
8" Concrete with 5/8" Type X Gypsum Suspended Ceiling With SOUNDGARD	E989	70	71

* Tested by an independent research laboratory. Reports available upon request.



TOOLS & MATERIALS CHECKLIST

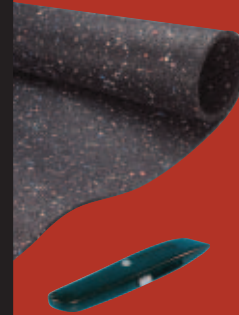
- ❑ SOUNDGARD Sound Reduction Mat Underlayment
- ❑ Perimeter isolation strip
- ❑ Duct tape
- ❑ Carpet or utility knife

When using grouted flooring materials, such as ceramic tile, paver, brick, marble and stone, a bonding system is also required.

- ❑ FlexBond® Fortified Thin-Set Mortar
- ❑ 1/4" x 1/4" square-notch trowel
- ❑ 50 - 75 lb. roller

For Best Quality Use
SuperiorBilt® Tools.

SUPERIORBILT®



Custom Building Products is the leading manufacturer of tile and stone installation products for surface preparation, setting, grouting and care.

For long lasting tile, stone and floor covering installations, use SuperiorBilt® tools.



CUSTOM®
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