

Product name	DeciBLOK™	DeciBLOK™ MC
Ounce weight/sq. yd: (+/-5% manufacturing tolerance)	44 oz.	44 oz.
Color	Green	Green
Roll size	54" x 48'	54" x 48'
Density, pcf	37 lbs.	37 lbs.
Design configurations	Flat/Flat	Flat/Flat
Thickness (in inches) (+/-5% manufacturing tolerance)	2.5 mm (0.10")	2.5 mm (0.10")
Antimicrobial	Guardian™	Guardian™
StainSTOP™	Yes	Yes
Backing top	Polyester non-woven	Polyester non-woven
Backing bottom	Polyester non-woven	Silver moisture-proof (seams must be taped)
Shipping weight	66 lbs.	66 lbs.
Moisture vapor transmission rate	N/A	1.3g/m ² /24 hrs
DOC FF 1-70 (Pill test)	Pass	Pass
R-value	0.10	0.10
Impact insulation class rating for floating floor installation	IIC-70 (under floating laminate floor) (ASTM 492-97)	IIC-70 (under floating laminate floor) (ASTM 492-97)
Sound transmission class rating for floating floor installation	STC-66 (under floating laminate floor) (ASTM E90-97)	STC-66 (under floating laminate floor) (ASTM E90-97)
Impact insulation class rating for glue-down installation	FIIC-57 (under engineered wood) (ASTM E1007-97)	FIIC-57 (under engineered wood) (ASTM E1007-97)
Sound transmission class rating for glue-down installation	FSTC-55 (under engineered wood) (ASTM E336-97)	FSTC-55 (under engineered wood) (ASTM E336-97)
Δ Impact Insulation Class rating for 6" concrete floor	ΔIIC-21 (under floating laminate floor) (ASTM E2179-03)	ΔIIC-21 (under floating laminate floor) (ASTM E2179-03)

DeciBLOK MC is designed for floating floor installations only. **DO NOT GLUE.**

Product Installation

- DeciBLOK acoustic floor underlay is versatile and designed for glued, nailed or floating floor installation. **(DeciBLOK MC floating floor installation only, DO NOT GLUE.)** Always follow wood flooring manufacturer installation instructions.*
 - DeciBLOK acoustic underlayment must be installed on a clean, dry, level surface (e.g., a standard wood subfloor or concrete slab).
 - Roll out DeciBLOK acoustic underlayment across the floor so the mat rests against the the wall.
 - Make sure there are no penetrations through the DeciBLOK acoustic underlayment or the DeciBLOK MC moisture barrier.
 - DeciBLOK MC seams must be taped with a moisture-proof metallic duct tape (the type used for HVAC ductwork). The tape should be applied to DeciBLOK MC on the side with the MC barrier. Install underlay with foil side to the subfloor.
 - Install finished floor.
 - Trim away excess underlayment and install baseboard or other trim.
- *Glue or double-glue installations: follow the flooring manufacturer recommendations for glued-in installations. SCI recommends urethane-based adhesives applied as provided by the flooring manufacturer. Call 800-435-4062 and ask for technical assistance if further information is required.



DeciBLOK™

Acoustic Underlayment for laminate, engineered, and solid wood flooring

*available with HydroShield Moisture Control

DeciBLOK™

Acoustic Underlayment

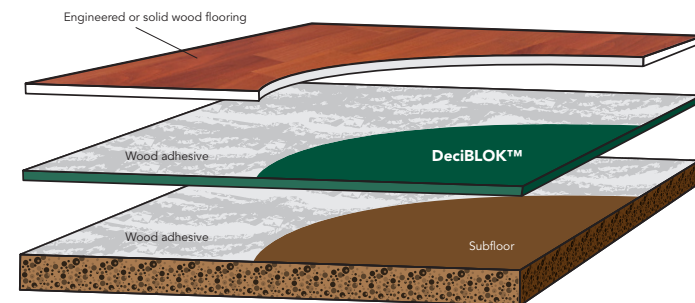
*available with HydroShield Moisture Control

SBR rubber acoustic underlayment is designed to isolate sound vibrations and impact noise in laminate, engineered, and solid wood flooring applications.

DeciBLOK™ noise control

Today's living and working environments benefit from the beauty and durability of wood in many popular forms. With DeciBLOK, installers and contractors can ensure the rich tones and quiet privacy so treasured for quality business and home occupancies. Provides a more peaceful environment by **isolating** and lessening the effect of **impacts** of noise and **reducing transmission** of it between rooms.

The layered benefits, when installed with **wood** and **wood-type flooring**, make kitchens, playrooms, hallways, and larger places "click-free" so the richness of wood can be enjoyed while protecting neighboring spaces, above and below.



Noise Control Flooring Installations

Layered Performance

DeciBLOK acoustic **laminate, engineered, and solid wood** floor cushion is composed of a lightweight, cellular sponge rubber mat that is layered between two polyester non-woven films. It is designed to reduce flooring noise by dampening impact effects and isolating sounds to the room where they are created.

Product Applications

Use where enhanced sound quality and reduction of impact noise or noise transmission is desired when installing laminate, engineered, and solid wood flooring.

DeciBLOK™ MC noise and moisture control

DeciBLOK MC adds the security of **HydroShield metallized barrier** for installations where moisture vapor transmission from concrete or other substrates present special design requirements.

The HydroShield metallized barrier provides far lower moisture vapor transmission rates (**MVTR**) than polypropylene films used in many other flooring installations. The added protection makes DeciBLOK MC the right choice when **high-rise construction** calls for barriers for floating floors.

Features and Benefits

- Fast and easy to install
- Moisture-proof barrier – includes its own metallized foil film (DeciBLOK MC only)
- Recommended for use over all substrates above, and below grade
- Smooths out minor subfloor irregularities
- Improves resistance to indentations
- Improves comfort level by adding firm cushion support under hard flooring
- Provides significant reduction to impact noise in the room and floor below
- Antimicrobial inhibits the growth of mold, mildew and odor-causing bacteria
- No more toxic than wood, the accepted industry standard
- Will not degrade over radiant-heated floors; tested to 150°F
- Meets Carpet and Rug Institute's CRI Green Label Plus program for indoor air quality
- Lowest R-value in the industry
- Recommended by the RPA

Acoustical Data

Floating laminate flooring lab data:

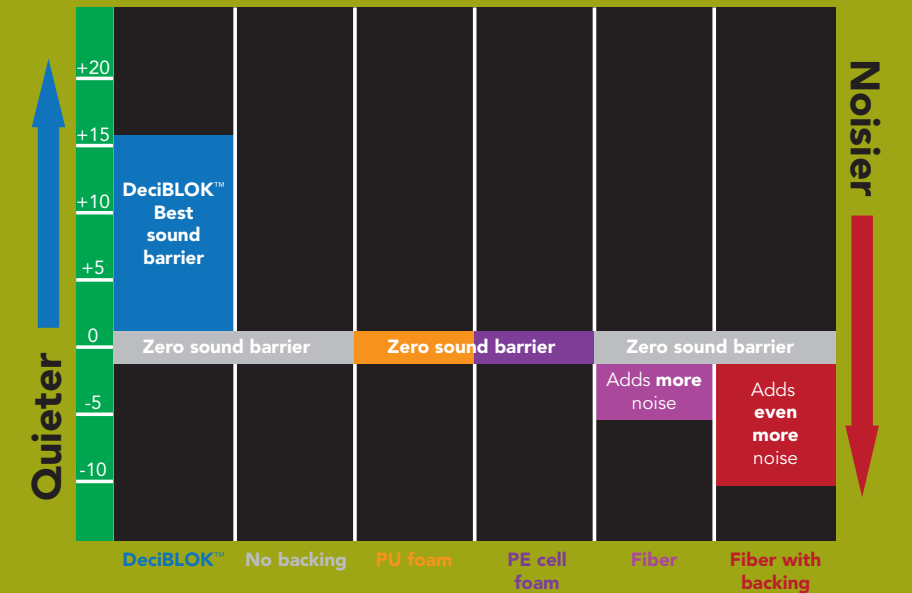
- IIC 70 – Impact insulation class rating (ASTM E492-90)
- STC 66 – Sound transmission class rating (ASTM E90-97)
- Reflective sound reduction: DeciBLOK™ tested 4.5dBa to 8.5dBa quieter than standard foam paddings when tested as an assembly with laminate flooring. Measurements taken between 2000 Hz to 4000 Hz utilizing the tapping machine described in ASTM E492 as an impact noise generator.

Glued-down engineered wood floor above 6" concrete flooring, no acoustic ceiling, field data:

- FIIC 57 – Impact insulation class rating (ASTM E1007-97)
- FSTC 55 – Sound transmission class rating (ASTM E336-97)

Floating laminate flooring over bare 6" concrete flooring, lab data:

- ΔIIC-21 – Calculated improvement in impact insulation class



Comparing sound materials

DeciBLOK™ has been tested with popular flooring sound materials under the regimen adopted by EU flooring producers known as draft EPLF – Norm 021029-1 (laminated floor coverings – determination of drum sound generated by means of a tapping machine – date: October 29, 2002).

The sound of a tapping noise on a floor with no acoustic cushion was compared to a wetlay fabric, a PE foam bubble material, and DeciBLOK™ with moisture control. The results are dramatic and show that DeciBLOK™ outperforms these competitors when in-room sound is considered (test results available upon request).

Code: STC rates a partition or material based on its ability to block airborne sound

Codes: IIC rates a floor/ceiling assembly's ability to block impact sound

Enforcement: appendix chapter 35 of the '88 and '91 UBC, appendix chapter 12, division II of the '94 and '97 UBC will be contained in the forthcoming IBC. Although not all municipalities have adopted this appendix chapter, it is still recognized as an industry standard.

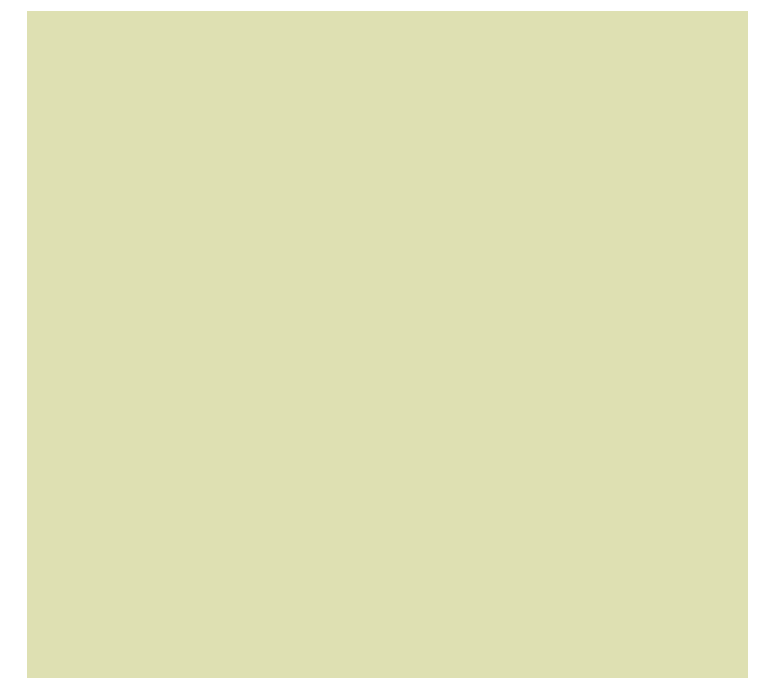
General information: the Uniform Building Code (UBC) contains requirements for sound isolation for dwelling units in group-R occupancies (including hotels, motels, apartments, condominiums, monasteries, and convents).

UBC requirements for floor/ceiling assemblies: IIC ratings of 50 (if tested in a laboratory) or 45 (if tested in the field)

UBC requirements for floor/ceiling assemblies: STC ratings of 50 (if tested in a laboratory) or 45 (if tested in the field)



DeciBLOK™ (for floating, glued, or nailed installations)



DeciBLOK™ MC (floating installations only)

*Larger samples available upon request