DeciBLOK™ acoustic floor underlay is versatile and is designed for glued 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 (i.e., a standard wood subfloor or concrete slab).

Roll out DeciBLOK™ acoustic underlayment across the floor so that the mat rests against the outer layer of the wall.

Make sure there are no attachements or 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.

Product Name  DeciBLOK™  DeciBLOK™MC™
Ounce Weight/Sq. Yd.  44 oz.  44 oz.
Color  Green  Green
Roll Size  54” x 48’  54” x 48’
Density, psi  37 lbs.  37 lbs.
Design configurations  F/F  F/F
Thickness in inches (±10% manufacturing tolerance)  2.5mm/.10”  2.5mm/.10”
Square Feet/Rel.  24  24
Anti-Microbial  YES, GUARDIAN™  YES, GUARDIAN™
Moisture Resistance  98%  N/A
Shipping Weight  66 lbs.  66 lbs.
Deci-MC™ installation (F/F floor only)  Yes  Yes
Liner  N/A  Metallic “Moisture Proof” HydroSHIELD™
Moisture Vapor Transmission Rate  N/A  1.3g/m²/24hrs.
Thermal “R” Factor  0.10  0.10
Sound Transmission Class (rating for glued-down installation)  N/A  N/A*
Import Insulation Class (rating for glued-down installation)  N/A  N/A*
Sound Transmission Class (rating for floating floor installation)  N/A  N/A*
Import Insulation Class (rating for floating floor installation)  N/A  N/A*
Sound Transmission Class (rating for floating floor installation)  N/A  N/A*

*DeciBLOK-MC is designed for floating floor installation ONLY. DO NOT GLUE!
DeciBLOK™ Acoustic Underlayment
(available with HydroShield Moisture Control)

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

DeciBLOK™ Noise Control
Today's living or working environments can enjoy the beauty and durability of wood in many popular forms. With DeciBLOK™, installers and contractors can insulate the rich tones and quiet privacy so treasured for quality business and home occupancies. Floors built with DeciBLOK™ provide a more peaceful environment, within and outside of the installation, by isolating and lessening the effect of impacts and reducing transmission between rooms.

Using the layered benefits of DeciBLOK™, when installed with wood and wood type flooring, makes kitchens, playrooms, hallways, and larger places “click-free” so the richness of wood can be enjoyed while protecting neighboring spaces, above and below.

Layered Performance
DeciBLOK™ acoustic wood, engineered wood, and laminate 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 by isolating sounds to the room where they are created.

DeciBLOK MC™ with Moisture Control
DeciBLOK MC™ adds the security of HydroShield metallized foil film to DeciBLOK’s sound protection for installations where moisture vapor transmission rates from concrete or other substrates present special design requirements for specifiers.

The HydroShield moisture barrier of DeciBLOK MC™ 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.

Product Attributes
DeciBLOK™ acoustic floor underlayment features these properties:

• Acoustically engineered to reduce sound vibrations and impact noise.
• Improves space conditions when sound control is required.
• Retains acoustic properties over time.
• GUARDIAN™ Antimicrobial prevents the growth of mold, mildew, and fungi.
• Lightweight, easy to cut and install.

Product Applications
Use DeciBLOK™ or DeciBLOK MC™ where enhanced sound quality and reduction of impact noise or noise transmission is desired when installing wood, engineered wood or laminate flooring.

Acoustical Data
Glued down engineered wood floor above 6” concrete flooring, no acoustic ceiling, field data:
• IIC 58 – Impact Insulation Class Rating (ASTM E492-90)
• STC 52 – Sound Transmission Class Rating (ASTM E90-97)

Floating laminate flooring over 8” wood joist, no acoustic ceiling, lab data:
• IIC 58 – Impact Insulation Class Rating (ASTM E492-90)
• STC 52 – 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.

Floating laminate flooring over bare 6” concrete flooring, lab data:
• IIC-21 – Calculated Improvement in Impact Insulation Class

Use DeciBLOK™ or DeciBLOK MC™ where noise or noise transmission is desired when installing:

• GUARDIAN™ Antimicrobial prevents the growth of mold, mildew, and fungi.
• 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.

Features and Benefits
• Recommended for use on laminate, wood, and selected hardwood floors.
• Fast and easy to install, either glued or floating.
• Moisture proof barrier - includes its own metallized foil film DeciBLOK MC™ only.
• Recommended for use on concrete (above and below grade) and wood subfloors.
• Smooths out minor subfloor irregularities.
• Improves resistance to indentations.
• Improves comfort level by adding firm cushion support under hard laminates.
• Provides significant reduction to impact noise in the room and floor below.
• Antimicrobial: antifungal, non-allergenic, resists mildew, mold and odors.
• 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 (CRI) and Carpet Cushion Council (CCC) standards for indoor air quality.
The sound of a tapping noise on a floor with no acoustic cushion was compared to a wetlay fabric, competitors when in-room sound is considered. (Test results available upon request.)

DeciBLOK has been tested with popular flooring sound materials under the regimen adopted by means of a tapping machine, Date October 29, 2002.

Wood\nSolid Wood Flooring\n\nLaminate floor coverings - Determination of drum sound

Subfloor\n
HCF 57 - Impact Insulation Class Rating (ASTM E1007-97)
• STC 55 – Sound Transmission Class Rating (ASTM E242-02)
• IIC 58 - Sound Transmission Class Rating (ASTM-E90-97)

Comparing Sound Materials
DeciBLOK has been tested with popular flooring sound materials under the regimen adopted by means of a tapping machine, Date October 29, 2002.

Wood\nSolid Wood Flooring\n\nFloating laminate flooring lab data:
• HIC 58 - Impact Insulation Class Rating (ASTM E492-90)
• STC 52 - Sound Transmission Class Rating (ASTM-E90-97)

Reflective Sound Reduction: DeciBLOK™ tested 4 SdBa to 8 SdBa 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.

Floating laminate flooring over bare 6” concrete flooring, lab data:
• ΔHIC-21 – Calculated Improvement in Impact Insulation Class

Using the layered benefits of DeciBLOK™, when installed with wood and wood type flooring, makes kitchens, playrooms, hallways, and larger places “click-free” so the richness of wood can be enjoyed while protecting neighboring spaces, above and below.

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Using the layered benefits of DeciBLOK™, when installed with wood and wood type flooring, makes kitchens, playrooms, hallways, and larger places “click-free” so the richness of wood can be enjoyed while protecting neighboring spaces, above and below.

Layered Performance

DeciBLOK™ acoustic wood, engineered wood, and laminate 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 by isolating sounds to the room where they are created.

DeciBLOK™ with Moisture Control

DeciBLOK MC™ adds the security of HydroShield metallized foil film to DeciBLOK's sound protection for installations where moisture vapor transmission from concrete or other substrates present special design requirements for specifiers.

The HydroShield moisture barrier of DeciBLOK MC™ 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.

Product Attributes

DeciBLOK™ acoustic floor underlayment features these properties:
• Acoustically engineered to reduce sound vibrations and impact noise.
• Improves space conditions when sound control is required.
• Retains acoustic properties over time.
• GUARDIAN™ – Antimicrobial prevents the growth of mold, mildew, and fungus.
• Lightweight, easy to cut and install.

Product Applications

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

Acoustical Data

Glued down engineered wood floor above 6” concrete flooring, no acoustic ceiling, field data:
- HIC 57 – Impact Insulation Class Rating (ASTM E1007-97)
- STC 55 – Sound Transmission Class Rating (ASTM E242-02)
- IIC 58 - Sound Transmission Class Rating (ASTM-E90-97)

Features and Benefits

• Recommended for use under laminate, engineered wood, and selected hardwood floors.
• Fast and easy to install, either glued or floating.
• Moisture proof barrier – includes its own metallized foil film DeciBLOK™ MC™ only.
• Recommended for use over concrete (above and below grade) and wood subfloors.
• Smooths out minor subfloor irregularities.
• Improves resistance to indentations.
• Improves comfort level by adding firm cushion support under hard laminates.
• Provides significant reduction to impact noise in the room and floor below.
• Antimicrobial: antifungal, non-allergenic, resists mildew, mold and odors.
• 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 (CRI) and Carpet Cushion Council (CCC) standards for indoor air quality.

DeciBLOK™ with Moisture Control

DeciBLOK MC™ with Moisture Control

DeciBLOK™ has been tested with popular flooring sound materials under the regimen adopted by means of a tapping machine, Date October 29, 2002.
DeciBLOK™ acoustic floor underlay is versatile and is designed for glued 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 (i.e., a standard wood subfloor or concrete slab).
- Roll out DeciBLOK™ acoustic underlayment across the floor so that the mat rests against the outer layer of the wall.
- Make sure there are no attachments or penetrations through the DeciBLOK™ acoustic underlayment or the DeciBLOK™ 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.

*Glue or Double-Glue Installations: Follow the flooring manufacturer recommendations for glued-in installations. SCI recommends urethane-based adhesives as provided by the flooring manufacturer. Call 800-435-4062 and ask for technical assistance if further information is required.

Product Name | DeciBLOK™ | DeciBLOK™ MC™
--- | --- | ---
Ounce Weight/Sq. Yd | 44 oz | 44 oz
Color | Green | Green
Roll Size | 54” x 48” | 54” x 48”
Density, pcf | 37 lbs | 37 lbs
Design configurations | F/F | F/F
Thickness (+/-5% manufacturing tolerance) | 2.5mm / .10” | 2.5mm / .10”
Square Foot Roll | 24 | 24
Anti-Microbial | YES, GUARDIAN™ | YES, GUARDIAN™
Moisture Resistance | 98% | N/A
Ripping Weight | 60 lbs | 64 lbs
DOC FF 1-70 PV Test | Pass | Pass
Liner | N/A | N/A
Moisture Vapor Transmission Rate | 1.3g/m²/24hrs | N/A
Maximum subfloor moisture emission rate | N/A | N/A
“B” Factor | 0.30 | 0.35
Impact Reflection Class (rating for glue-down installation) | IRC-57 (under Engineered Wood) (ASTM E 1007-97) | N/A
Sound Transmission Class (rating for glue-down installation) | PC-55 (under Engineered Wood) (ASTM E 336-97) | N/A
Impact Reflection Class (rating for floating floor installation) | IRC-57 (under Floating laminate floor) (ASTM E 1007-97) | N/A
Sound Transmission Class (rating for floating floor installation) | STC-52 (under Floating laminate floor) (ASTM E 90-97) | STC-52 (under Floating laminate floor) (ASTM E 90-97)

*DeciBLOK-MC is designed for floating floor installation ONLY. DO NOT GLUE!