

Installation Instructions

Installation Instructions - SilentImpact™ Underlayment

SilentImpact™ is a recycled rubber mat that is meant for installation directly under a hard surface flooring product such as engineered wood, laminate, stone, tile or vinyl. For floating floors such as engineered wood or laminate, adhesive is not required.

SilentImpact™ Job Site Requirements

Before beginning the installation below, all areas to receive SilentImpact™ should be weather tight and have a constant temperature of at least 50 degrees Fahrenheit for 48 hours before, during, and after installation.

SilentImpact™ Subfloor Requirements

1. SilentImpact™ can be installed over concrete, self-leveling materials, OSB and plywood.
2. Subfloor should be smooth and free of defects, cracks, or moving joints to prevent transmission to flooring. Surface to be flat to 4mm (3/16") across any 300mm (12") section. Grind all high spots and fill indentations with approved self-leveling compound to meet flatness requirements.

SilentImpact™ Floating Installation

1. Allow SilentImpact™ to acclimate to the room for one day prior to installation.
2. Using a chalk line, snap a line perpendicular to the longest wall in the room and establish a straight point of reference for the installation of the SilentImpact™.
3. Cut the SilentImpact™ to the proper length and trim for any penetrations or wall angles.
4. Place the SilentImpact™ along the snap line, cut the adjacent piece, trim it and lay adjacent to the first piece.
5. Roll with 100 lb roller to remove any air bubbles.
6. Tape all seams with Sound Acoustic Solutions SilentSeam tape.

SilentImpact™ Adhesive or thin-set Installation (not required for floated floor)

1. Allow SilentImpact™ to acclimate to the room for one day prior to installation.
2. Using a chalk line, snap a line perpendicular to the longest wall in the room and establish a straight point of reference for installation.
3. Cut the SilentImpact™ to the proper length and trim it for any penetrations or wall angles.
4. Place SilentImpact™ along the snap line, cut the adjacent piece, trim it and place it adjacent to the first piece.
5. Fold each piece in half and apply the mastic to the area under the SilentImpact™ using a 0.125" "V" notched trowel. Apply adhesive perpendicular to the seams.
6. Place the material so that no bubbles or waves are seen in the area by unfolding the SilentImpact™ into the wet mastic. Assure that no air is trapped below.
7. Repeat this installation for the second half of the underlayment by folding in the other half sheet; trowel the mastic under and place the second half into the wet adhesive mastic.
8. Repeat this process until the room is completely covered. Assure the space around the room is no greater than a 0.25" space between the wall and the SilentImpact™.
9. Assure that all mastic is installed to a uniform thickness as puddles or differences in thickness can telegraph through the sound mat.
10. Wipe any excess mastic from the top side of seams while working.
11. Roll with 100 lb roller to remove any air bubbles or adhesive inconsistencies.
12. Allow install to cure for 24 hours.

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Finished Flooring Installation

For all flooring types: Follow the manufacturer's installation instructions. Use their recommended materials. Do not use mechanical fasteners through the SilentImpact™ as this will negate the acoustical performance of the system.

TILE

1. Follow all manufacturer and Tile Council of North America recommendation for installation including adhesives and accessories.
2. Tile and grout should not be in contact with any wall, penetration and no penetrations should be made through the SilentImpact™ to the sub floor, including for expansion joints.
3. If cement backer board is required, glue it to the SilentImpact™ with the recommended adhesive or mortar.
4. If crack suppression is required glue it to the SilentImpact™ with the recommended adhesive.

ENGINEERED WOOD

1. Engineered wood can be floated. Glue is not required.
2. For Engineered wood that must be glued, follow installation instructions from the manufacturer and from the Hard Wood Flooring Association.
3. Wood or laminate should not come in contact with any walls or penetrations, and no penetrations should be made through the SilentImpact™ to the sub floor.

VINYL

1. Follow all manufacturer recommendations for procedures and installation including adhesives.
2. Apply a thin layer of moisture cure urethane to top of SilentImpact™ and allow curing before applying vinyl manufacturer's recommended adhesive.
3. Apply adhesive to cured thin layer of urethane. Can be moisture cure urethane with a 1/32" trowel or adhesive recommended by flooring manufacturer.
4. Follow flooring manufacturer recommendations for installation over a resilient material.
5. Test all proposed installations to determine if the vinyl flooring/SilentImpact™ assembly is able to resist indentation by heavy appliances, furniture, etc. For installations using SilentImpact™ in thickness greater than 2mm consult with vinyl manufacturer to determine if vinyl installation is permitted.

Baseboard Installation

1. Trim perimeter isolation strip to top of finished flooring.
2. Install baseboard to wall but do not allow to contact flooring as this will negate the acoustical performance of SilentImpact™.
3. Seal perimeter with a non-hardening acoustical caulk.

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