

Technical Data

Commercial Acoustics AcoustiStep

The Commercial Acoustics AcoustiStep is a Crumbled Rubber sound-damping underlayment that is designed to be installed underneath any style flooring to create quieter living or working spaces throughout an entire level.

Designed to improve impact and footfall sound (IIC Ratings), the underlayment dampens structure-borne noise by absorbing the vibrational energy before it enters the slab below.

Easily adhered to wood or concrete substrates, and available in a number of thicknesses, AcoustiStep is tested on a number of assemblies to provide an IIC Rating of 50-64.



Ideal For:

- Commercial & Residential
- Multi-family
- Hotels
- Music Studios
- Home Theaters
- Conference Rooms
- Bedrooms

Features / Benefits

- LEED Benefits
- Great sound deadening
- Residential & Commercial Applications
- Code Compliant
- Mold & mildew resistant
- Lays flat, easy to install
- Pre-Consumer recycled rubber

Product Specifications

Sound: AcoustiStep underlayment is designed for utmost sound deadening and flooring support. AcoustiStep touts superior sound attenuation results under any type of floor covering.

Performance & Comfort: The recycled rubber crumb provides excellent stability and durability for the life of approved flooring choices. The cushioning underlay provides anti-fatigue properties for best overall active comfort; transforming cold, hard, and unfriendly floors into softer and warmer flooring environments.

Material: Contains 100% pre-consumer rubber being recycled to protect the environment, minimize landfills, while making LEED contribution.

Thickness & Mass: Available in 2mm, 3mm, 5mm, 10mm, and 12mm thickness.

- 2mm - 66 lbs - 4'x50' Roll Size
- 3mm - 100 lbs - 4'x50' Roll Size
- 5mm - 84 lbs - 4'x25' Roll Size
- 10mm - 167 lbs - 4'x25' Roll Size

Flammability Rating: Tested as a rubber floor according to BS EN ISO 9239-1: 2002. AcoustiStep meets or exceeds all requirements of fire code.

Acoustic Lab Test Data

Full test report library and specification packets available on request



Product	Test Floor	Subfloor	IIC	STC	Delta IIC
2mm AcoustiStep	Laminate/LVT	6" concrete - no ceiling	50	55	20
2mm AcoustiStep	Laminate/LVT	6" concrete - with ceiling	60	54	20
2mm AcoustiStep	11.92mm Hardwood	10" hollow core - with ceiling	58	60	20
3mm AcoustiStep	11.92mm Hardwood	2 x 10 w/1" gypsum concrete	56	59	23
5mm AcoustiStep	7mm Ceramic Tile	6" concrete - no ceiling	50	54	25
5mm AcoustiStep	7mm Ceramic Tile	6" concrete - with ceiling	62	63	25
5mm AcoustiStep	11.92mm Hardwood	8" concrete - no ceiling	56	-	25
5mm AcoustiStep	7mm Ceramic Tile	8" concrete - no ceiling	52	53	25
5mm AcoustiStep	7mm Ceramic Tile	8" concrete - with ceiling	64	63	25
6mm AcoustiStep	11.92mm Hardwood	2 x 10 w/1" gypsum concrete	57	60	25
10mm AcoustiStep	7mm Ceramic Tile	6" concrete - no ceiling	50	53	26
12mm AcoustiStep	11.92mm Hardwood	2 x 10 w/1" gypsum concrete	58	60	26

Installation Instructions

Preparation:

1. Ensure that the floor is completely clear of debris and broom-clean.
2. Concrete must be dry - moisture must be below 5 lbs per 1000 square feet over 24 hours.
3. Allow AcoustiStep to acclimatize for at least 48 hours prior to installation.

Concrete Slab:

1. Any cracks in concrete shall be filled with high-grade patch.
2. Remove any lumps or residue prior to installation.
3. A good quality concrete waterproof sealer may be require if moisture in slab is too high.

Wood Subfloor:

1. Plywood subfloor shall be of good grade, and shall be adequately leveled. Variations shall be less than 1/8" over 4 foot length.
2. Nails and protrusions shall be removed.
3. Floor shall have deflection of L360.

General Instructions for ALL Flooring Types:

1. Start in corner and unroll AcoustiStep flush along wall.
2. Taping seams is optional, but not required.
3. Install baseboard 1/8" off of floor, and use acoustical sealant, to prevent flanking path.
4. Install AcoustiStep perpendicular to finish floor.



Installation Under Glue-Down Hardwood:

1. Use a high-quality Urethane adhesive, such as Bostik Best or Equivalent. Use 3/16" V-notched trowel
2. Once AcoustiStep is unrolled, roll up and lift half of the sheet and apply adhesive to exposed area. Roll back onto adhesive and flat trowel any air pockets.
3. Edges should be tightly butted. Use 50 lb roller for fully bond to subfloor.
4. Allow 8 hours to cure prior to glueing down hardwood.

Installation Under Nail-Down Hardwood:

1. Unroll AcoustiStep across entire floor prior to nailing down.

Installation Under Laminate & Floated Hardwood:

1. Install floated laminate or engineered hardwood per manufacturer's instructions



Installation Under Ceramic Tile:

1. AcoustiStep needs to be adhered to subfloor for Ceramic Tile installation
2. Use a high-quality Urethane adhesive, such as Bostik Best or Equivalent. Use 3/16" V-notched trowel
3. Once AcoustiStep is unrolled, roll up and lift half of the sheet and apply adhesive to exposed area. Roll back onto adhesive and flat trowel any air pockets.
4. Edges should be tightly butted. Use 50 lb roller for fully bond to subfloor.
5. Leave 3/16" gap around perimeter. This gap shall be filled with acoustic caulk, but NOT grout.
6. Allow 8 hours to cure prior to installing tile. Use a latex modified thin set such as Laticrete 254 or equivalent. Must be keyed into AcoustiStep to ensure proper bond.



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