



Eco-Silencer HD FOF underlayment specification information

product ecofinishes® Eco-Silencer HD FOF Acoustical Underlayment with Moisture Barrier

World's first underlayment with a new revolutionary moisture barrier film with unique strength and durability allows the application of this product for all Glue Down, Nail Down, and Floating laminate & wood floor installations

Made of 100% High Density Polyurethane Foam using rapidly renewable resources (soybean polyols and vegetable oils)

advantages Eco-Silencer HD™ FOF is made with 100% post-consumer recycled granulated rubber tires and high-density polyurethane foam using rapidly renewable resources (soybean polyols and vegetable oils)

Suitable for floating, glue down, and nail down laminate, engineered, and hardwood flooring
New revolutionary moisture barrier film for the best bond strength, durability and moisture protection

Contains an antimicrobial protection that resists mold and mildew

Crushpruf™ technology resists indentation that enables your floors to perform to its fullest potential and last a lifetime

Provides cushioned comfort under hard laminate flooring

Eliminates minor subfloor imperfections

Offers the industry's best limited lifetime warranty

Suitable for radiant heat flooring systems

approved substrates Dry, completely cured concrete (at least 14 days old with HVAC operating)
3/4" interior plywood, OSB flooring
Waterproofing and crack-isolation membranes
Cement backer units

floor preparation Subfloor should be clean, dry and level
Follow the wood manufacturer's installation instructions for any additional preparation

quick and easy installation Requires no additional seaming tape, cuts with a knife
Install Eco-Silencer HD™ FOF with film **DOWN** on subfloor.
For floating and nail down installations, roll out underlayment with tape strip next to wall. Roll out next row in same manner butting underlayment close to first row (do not overlap) and covering the moisture barrier film. Remove the tape strip and secure the overlapping moisture barrier film.
For double glue down installation for wood flooring, use a urethane-based adhesive (based on the adhesive manufacturer's recommendation) with a 1/16" – 3/32" trowel on the subfloor. Trim off the excess overlapping film. Roll out underlayment with tape strip next to wall. Roll out next row in same manner butting underlayment close to first row (do not overlap). Roll with a 35 - 75 lb. roller to smooth out any air pockets and to secure a good bond to the adhesive.
Install flooring according to the manufacturer's installation instructions

packaging

Available in 3' x 33.34' (100 sq. ft.) rolls

technical data

100% High-Density Polyurethane foam underlayment blended with post-consumer recycled granulated rubber tires and bonded to a moisture vapor film

- Thickness — .075"
- Density — 20 LBS
- Weight — 2.35 oz/sq.ft.
- Antimicrobial Treatment
- Thermal Resistance — R-Value .17
- Compression Resistance ASTM D3676 — 20 %
- Compression Set ASTM D3574 — 9.3 %
- Flammability Rating — Passes Federal Flammability Standards DOC-FF-1-70
- Smoke Density — Passes, 110 max
- Product Emissions — Exceeds VOC emissions requirements, environmentally friendly

sound absorption properties

Impact Insulation Class (IIC) This method is to measure the impact sound transmission performance of a floor-ceiling assembly (sound transmission through the floor)

IIC	Flooring	Sub-Floor
70	Laminate/Engineered	6" concrete with ceiling assembly
58	Hardwood	6" concrete with ceiling assembly
52	Laminate/Engineered	6" concrete with NO ceiling assembly

Sound Transmission Class (STC) This method is to measure the air-borne sound insulating property of a partition element for effectiveness in blocking sound

STC	Flooring	Sub-Floor
73	Laminate/Engineered	6" concrete with ceiling assembly
53	Hardwood	6" concrete with ceiling assembly
51	Laminate/Engineered	6" concrete with NO ceiling assembly

Delta IIC *The db rating difference between a floor measured with an underlayment and with no underlayment*

Δ IIC — 22 — (up to a 78% db sound reduction)

LEED credits

- MR 4.1 – 10% recycled content
- MR 4.2 – 20% recycled content
- MR 5.1 – 10% content manufactured within 500 miles of project
- MR 5.2 – 20% content manufactured within 500 miles of project
- MR 6 – Rapidly renewable resource
- EQ 4.3 – low emitting VOC's

