

# Garrison Eco Barrier

**Underlayment for Glue Down and  
Floating Wood or Laminate Floors**

MADE IN USA



**Acoustic Ratings Up to IIC 73; STC 72; Delta 21**



## TECHNICAL DATA SHEET

Garrison Eco Barrier is a technologically advanced 2mm underlayment and acoustical barrier for successful installations of hardwood and laminate flooring. Garrison Eco Barrier offers the Total Sound Reduction System (SRS) enhanced lifetime warranty when utilized in conjunction with approved flooring adhesives in 'double-stick' applications.

Eco Barrier contains negligible VOC content (measured below quantifiable levels), affording the green community the best sound abatement choice for their eco-friendly projects. Eco Barrier is an inert product that is Hypo-Allergenic and Mold/Mildew/Bacteria resistant with no toxic additives CFC/HCFC/PVC/BHT/Pinta Bromide/latex or antimicrobials. Exceeds all standards for indoor air quality including California codes.

### FOR USE WITH

- Bamboo
- Multi-Ply Engineered Plank
- Plywood
- Laminate
- Acrylic Impregnated Wood
- Solid Wood Planks
- Exotic Woods

### ATTRIBUTES

- 42" x 28.58' ft. = 100 sq. ft./roll
- For Glue Down and Floating Floor Installations
- Available With and Without Lip and Tape
  - Vapor Barrier Tape Offers Safeguard Seaming System With Built-In Vapor Barrier
- Roll-on or Trowel Adhesive for Glue Down Installation
- Anti-Crush Mechanical Properties
- Improved Foot Fall Sound Performance
- Covers Minor Floor Irregularities
- Dual Force, Silent Fuse Technology with SRS
- Approved Over Radiant Heated Floors
- For Residential and Commercial Applications

Approved Wood Flooring Adhesive

Eco Barrier 2mm Underlayment

Approved Flooring Adhesive

Concrete Subfloor



**GARRISON**

# TECHNICAL DATA SHEET

## GLUE-DOWN INSTALLATION INSTRUCTIONS - 3-EASY STEPS - ROLLER OR TROWEL APPLIED

1. Cut underlayment to length and lay loosely over the area to be installed.
2. Pull the loose laid material back at least half the length of the roll. Using the recommended trowel or roller, apply approved adhesive to the subfloor. Allow approved adhesive to flash for recommended time prior to placing underlayment into adhesive. When utilizing urethane adhesives, use wet-lay method. Upon placing underlayment into the adhesive, roll both ways with a 100 lb roller. Repeat the installation for the other half of the subfloor, insuring all joints are butted together tightly.
3. Allow adhesive to set prior to proceeding to flooring installation. See adhesive product label for additional flash-time information. It is highly recommended to allow at least 18 hours prior to installation of the flooring. Install flooring.

**Notes:** Glue down installations of Eco Barrier underlayment are warranted for up to 10 lbs., per the ASTM F1869 Calcium Chloride Method Test and 95% Relative Humidity, per the ASTM F2170, if 5900 MegaBond is utilized. If MVER exceeds 10 lbs./95%, use DriTac MCS 7000. For glue down installations, use vapor barrier tape or 8301/8302 with lip and tape seaming system. Lip and tape seaming system is recommended for installations over on or below grade concrete substrates.

## FLOATING FLOOR INSTALLATION INSTRUCTIONS - 6 EASY STEPS

1. Check for nails
2. Sweep or damp mop
3. Roll out 1 width of membrane
4. Cut roll at the wall
5. Install flooring planks
6. Roll out next width

**Repeat steps 3 to 6 until floor is completed**

**NOTES:** When installing Eco Barrier in a basement or where a moisture barrier is required, extend the underlayment 1" - 2" up the sides of all walls. To ensure the vapor barrier qualities of Eco Barrier are maintained, a vapor barrier tape is required to seal all seams. New concrete should cure for 60-90 days minimum, before installing flooring products. Check for excessive moisture in various areas before installation referring to flooring manufacturer's recommendations. Consult with your flooring specialist for additional instructions.

Floating installations of Eco Barrier underlayment are warranted for up to 5 lbs., per the ASTM F1869 Calcium Chloride Method Test.

Never mechanically fasten the isolation barrier with screws, nails or staples as this will severely diminish the acoustical values of the barrier.



## PACKAGING

Available in 100 sf individual product rolls

## TECHNICAL RAPID RESPONSE

(201) 933-8800

Mon-Fri 8am - 5pm EST

TROWELS AND COVERAGE		
Floor Type	Trowel	Coverage
Eco Barrier Underlayment (over porous substrates)	 TR-8 1/16" x 1/16" x 1/16" Square Notch	150-180 sq. feet/gal.
Eco Barrier Underlayment (over non-porous substrates)	 TR-13 1/16" x 1/32" x 1/32" U Notch	220-260 sq. feet/gal.

Trowels diagrams are not to scale. Coverage over porous substrates is up to 250 sq. ft./gal. (8.6 sq. meters/liter). Coverage over non-porous substrates is up to 350 sq. ft./gal. (9.8 sq. meters/liter).

A smooth surface 3/8" or 1/2" paint roller is recommended. When using a 3/8" paint roller: Coverage over porous substrates is up to 250 sq. ft./gal. (8.6 sq. meters/liter). Coverage over non-porous substrates is up to 350 sq. ft./gal. (9.8 sq. meters/liter). When using a 1/2" paint roller: Coverage over porous substrates is up to 200 sq. ft./gal. (8.6 sq. meters/liter). Coverage over non-porous substrates is up to 250 sq. ft./gal. (9.8 sq. meters/liter).

NOTE: Coverage is approximate and may vary depending on porosity of substrate and the amount of adhesive applied.

## PHYSICAL PROPERTIES

Physical Property	Method	Performance
Acoustical:	ASTM E 492-4 & E 989-89 ASTM E 90-04 & E 413-04 ASTM E 2179-03	73 IIC 72 STC Delta 21
Thickness:	ASTM-D3575	2 mm
Water Vapor Transmission Rate:	ASTM E 96	0.31lbs/24hrs/1000sq. ft.
Impact Resistance:	ISO/DIS 24335 NALFA LF01-2003 Large Ball Test	100mm Commercial
Compression Resistance:	ASTM D3575 Suffix D	8 lbs/in2
Compression Set:	ASTM D3575 Suffix B	30%
Compression Creep:	EN 1606 / EN 13163	10% (12 kPa)
Thermal Resistance: Tensile Strength:	ASTM-C-518 ASTM-D-3575	3.8 95 lbs/in2
Maximum Temperature:	NA	95°C (203°F)