

QUIETBOARD™

Premium Acoustical & Insulating Fiber Board

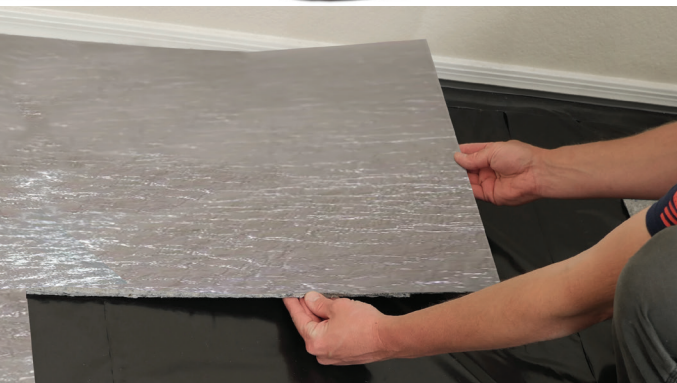


» WITH INTEGRATED MOISTURE BARRIER »



Extremely Dense Panels of Recycled Fiber Board

QuietBoard's dense, recycled, construction reduces impact noise while increasing floor stability and minimizing flex between planks to make floors solid and comfortable underfoot



APPROVED FLOOR COVERINGS

All Vinyl Planks & Tiles, Laminate, Floating & Glue Down Wood, Cork, Bamboo, Carpet & Carpet Tile

- Integrated film adds moisture protection and thermal reflective properties
- Acoustical and impact noise barrier
- Adds insulation and energy efficiency
- Makes floors solid & comfortable underfoot
- Closes the gap between trim and floors
- Lightweight construction that's easy to work with & cuts with a utility knife
- Maintains structural integrity
- Approved for use with In-Floor Heating Systems
- Made with 100% recycled materials
- Patent pending

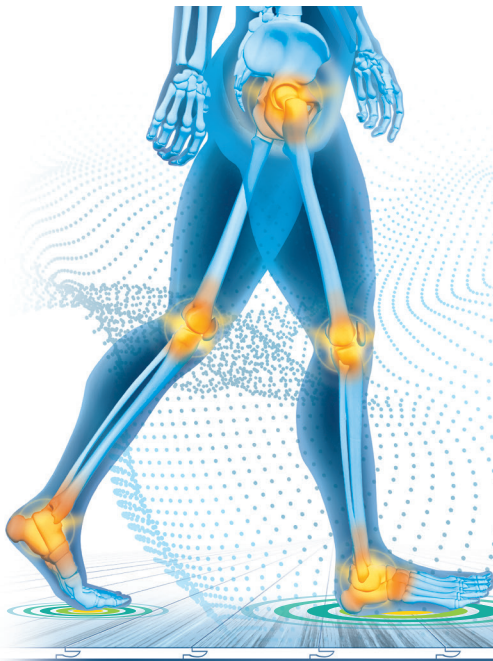
PROVEN to lessen force to your joints!*

SUPPORTS YOUR FLOOR.

REDUCES IMPACT ENERGY.

* 2022 university study

- Relieves up to **65,000 lbs** of joint stress **EACH** day!
- Lessens force to the floor
- Dampens sound transmission between housing levels
- Supports flooring joints, especially with pad attached planks



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INDUSTRY LEADING SOUND ABSORPTION



IMPACT Insulation Class (IIC)

This method is to measure the impact sound transmission performance of a floor-ceiling assembly (sound transmission through the floor).

* The higher the number, the better the noise control!

IIC	Flooring	Structure
72	5.5mm Vinyl Plank	8" Concrete slab - with ceiling
59	5.5mm Vinyl Plank	8" Concrete slab - no ceiling
56	5.5mm Vinyl Plank	6" Concrete slab - no ceiling
54	5.5mm Vinyl Plank	Wood Structure



SOUND TRANSMISSION Class (STC)

This method is to measure the air-borne sound insulating property of a partition element for effectiveness in blocking sound.

* The higher the number, the better the noise control!

STC	Flooring	Structure
64	5.5mm Vinyl Plank	8" Concrete slab - with ceiling
60	5.5mm Vinyl Plank	Wood Structure
56	5.5mm Vinyl Plank	8" Concrete slab - no ceiling
52	5.5mm Vinyl Plank	6" Concrete slab - no ceiling



DELTA IIC TEST

Tests the impact insulation difference between a bare concrete subfloor with no flooring materials and the same concrete subfloor with flooring and underlayment.

* The higher the number, the better the noise control!

Delta IIC	Flooring	Structure
25	5.5mm Vinyl Plank	6" Concrete slab - no ceiling

QuietBoard Installation Methods:

Can be floated, stapled, or glued over wood or concrete subfloors. See full installation guide for complete instructions.



Size:

2'x3' panels (part # QBOARD23) & 4'x6' panels (part # QBOARD46)

Packaging:

- (4'x6') 23 Pallets per truck / 150 panels per pallet / 3,450 total panels per truck (82,800 sqft)
- (2'x3') Inner pallet pack out - 44 pallets per truck / 80 panels per box / 4 boxes per pallet / 14,080 total panels per truck (84,480 sqft)
- (2'x3') Retail pack out - 60 pallets per truck / 15 panels per box / 16 boxes per pallet / 14,400 total panels per truck (86,400 sqft)

SPECIFICATIONS

Materials:

100% Recycled Fibers

Thickness

1/4" (6mm)

Density

22.608lbs/ft³

Weight

0.55lbs/ft²

Moisture Emissions Protection

7lbs/1000ft²/24hrs

R-value

0.73-Hr-ft²-degf/btu

Force Reduction: 13.1%

No Vocs / Antimicrobial Treated Fibers

Castor Chair Test Reached 25,000 Cycles

Compression Resistance 496.8 Psi

Meets Federal Flammability Standard: 1-70 (Pill Test)

Approved For Use With In-floor Heating Systems



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



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REV5 0822



INSTALLATION INSTRUCTIONS

QuietBoard is designed for use with all vinyl planks & tiles, laminate, floating & glue down wood, cork, bamboo, carpet & carpet tile. This sound reduction underlay system is easy to install and is suitable for use over most types of industry approved sub floors (3/4" Plywood, concrete, OSB flooring, etc.)

General Information:

• Wood Sub Floors:

Using a species-specific moisture meter, determine if conditions are dry before installing. Wood sub floor moisture reading must not exceed 12%. If moisture readings are too high, postpone the installation and resolve the issue.

• Concrete Sub Floors:

Concrete must be at least 60 days old. Emission rate of concrete is not to exceed 7lbs/1000sf/24hrs per calcium chloride test. If emission rate exceeds that amount, a vapor barrier is to be paired with QuietBoard. Vapor Barriers include, but are not limited to 6mil Polyethylene film, vapor retarding adhesive, or QW Prime Seal.

• Floor Preparation:

All wood and concrete subfloors must be flat within 1/8" over a 6' span, or 3/16" over a 10' span. All seams of QuietBoard must meet this requirement as well. Be sure the subfloor is clean, smooth, and free of dust and debris. All areas must be checked prior to installation.

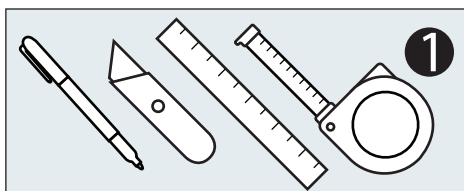
Note: Due to the nature of our manufacturing process and the use of recycled material, the pad thickness may vary .5mm plus/minus. The size may also vary by 1%. While the appearance of the panels may change, we guarantee this slight variance DOES NOT affect functionality of the product.

• Application Specifics:

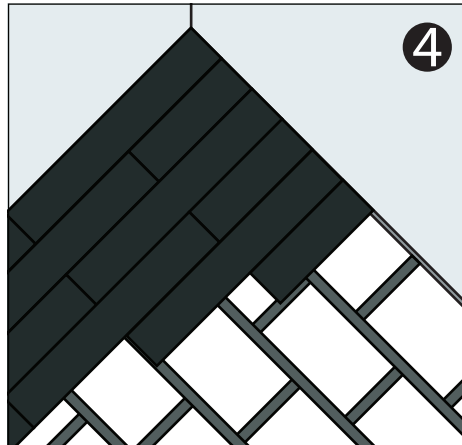
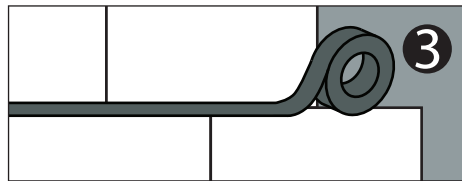
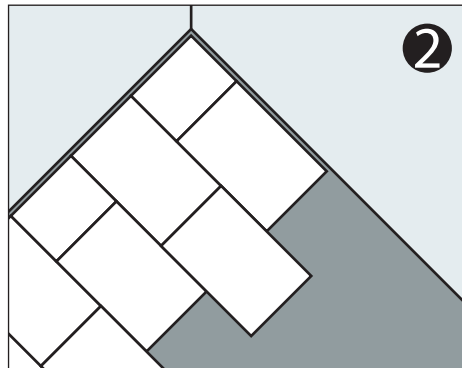
- If installing a floating floor covering 4mm or greater in overall thickness, QuietBoard can be floated, glued, or stapled.
- If installing a floating floor covering less than 4mm in overall thickness, QuietBoard must be glued to the substrate and the overlying floor covering can be floated.
- If installing a glue down floor covering of any thickness, QuietBoard must be glued to the substrate.

Tools Needed (pic #1):

- Utility blade (keep blades fresh/new)
- Straight edge
- Marker
- Tape Measure



Installation:



Floating Installation:

- QuietBoard can only be floated when paired with a 4mm or thicker floating floor covering.
- Begin laying panels of QuietBoard perpendicular to flooring direction, film side up, butting them tightly (see pic #2).
- Panels need to be staggered at approximately 50%, eliminating a grid style layout (see pic #2).
- 1/4" Expansion gap is to be left at all perimeter walls (see pic #2).
- Seams must be taped using a good quality duct tape, minimum 2 inches wide (see pic #3).

- Install flooring perpendicular to QuietBoard according to flooring manufacturer's specifications (see pic #4).

Mechanically Fastened Down Installation:

- Begin laying panels of QuietBoard perpendicular to flooring direction, film side up, butting them tightly (see pic #2).
- Fasteners need to be placed a minimum of every 6 inches with perimeter fasteners no more than 2 inches from the edge of each panel.
- Panels need to be staggered at approximately 50%, eliminating a grid style layout (see pic #2).
- 1/4" Expansion gap is to be left at all perimeter walls (see pic #2).
- All seams need to be properly prepared in accordance with the flooring manufacturer's recommendations when installing any flooring 3mm or thinner.
- Taping of seams can be done but is not necessary in staple down applications (see pic #3).
- Fasteners must be long enough to penetrate through the QuietBoard panels and the existing subfloor entirely.
- Install flooring perpendicular to QuietBoard according to manufacturer's specifications (see pic #4).

Glue Down Installation:

(Required for planks less than 4mm thick)

- QuietBoard is to be glued down when paired with any glue down floor covering or a floating floor covering <4mm thick.
- Begin by troweling a good quality pressure sensitive adhesive using the recommended trowel size from the adhesive manufacturer.
- Lay panels of QuietBoard perpendicular to flooring direction, film side up, butting them tightly (see pic #2).
- QuietBoard panels are to be installed while adhesive is still wet.
- QuietBoard panels need to be rolled with a 75lb-100lb roller to ensure a full bond is made.
- Panels need to be staggered at approximately 50% eliminating a grid style layout (see pic #2).
- 1/4" Expansion gap is to be left at all perimeter walls (see pic #2).
- All seams need to be properly prepared in accordance with the flooring manufacturer's recommendations. Failure to properly prepare seams will void all warranty. We do not recommend taping seams in glue down installation.
- Install flooring perpendicular to QuietBoard according to manufacturer's specifications (see pic #4).

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