

RATED RESIDENTIAL AND LIGHT COMMERCIAL
Suitable over concrete or wood subfloors

INSULAYMENT®



Nail It

Not recommended where wood flooring is less than 3/8" thick or less than 3" wide



Glue It

The recycled composition provides excellent bonding strength with adhesives & thin set mortars.



For Use Under

- Floating Porcelain Tile
- Engineered Wood
- Solid Wood
- Ceramic Tile

Installation Methods

- Floating
- Double Glue Down
- Mechanically Fastened

IIC 60
6" concrete NO ceiling assembly

STC 53
8" concrete NO ceiling assembly



SOUND REDUCTION

Absorbs sound, keeps it from traveling to other rooms. Also help to make the wood floor feel more solid underfoot.



SMOOTHING OUT IMPERFECTIONS

This cushion is firm and supportive but flexible enough to form around subfloor surface roughness, helping to cut down on extra surface prepping time.



INSULATION VALUE

Provides additional comfort to the entire home during seasonal temperature changes.



APPROVED FOR INFLOOR HEATING SYSTEMS

Allows heat to permeate evenly while helping to protect the floor covering material from thermal shock.



MADE FROM 100% RECYCLED MATERIAL

A patented manufacturing process repurposes post-industrial and post-consumer materials into high-performance underlayment.



CERTIFIED CLEAN AND SAFE INDOOR AIR QUALITY

No VOC's (Volatile Organic Compounds) or off-gassing from materials.



INSTALLATION METHODS

DOUBLE GLUED DOWN FLOORS

1. Roll out underlayment with the vapor barrier side up and butt seams together
2. Adhere to subfloor using recommended flooring manufacturer's adhesive and recommended trowel size and install method
3. Roll over the underlayment with a 75 or 100 pound roller
4. Adhere flooring over the top using manufacturer's recommended adhesive and trowel size

NAIL AND STAPLE FLOORS

1. Roll out underlayment with the vapor barrier side up and butt seams together
2. Install flooring according to the flooring manufacturer's installation instructions and recommended fastening materials.

*ENSURE TO READ THE COMPLETE INSTALLATION INSTRUCTIONS BEFORE INSTALLATION

ENVIRONMENTAL ATTRIBUTES

- Insulayment is GREENGUARD and GREENGUARD Gold certified for low chemical emissions (UL2818) and conforms to Collaborative for High Performance Schools (CHPS) – CA Section 01350
- Insulayment contains 100% post industrial/pre-consumer fibers.
- Insulayment is LEED™ compliant and will contribute to:
 - MRC4.1-4.2 recycled content credit
 - EQ 4.3 low-emitting materials credit

LIMITATIONS

All sub-floor assemblies should be tested for moisture vapor emission rates by utilizing anhydrous calcium chloride test kits for concrete or a certified moisture meter for wood. Do not install flooring material when in excess of flooring manufacturers recommendations for moisture vapor emissions.

APPROVED SUBSTRATES

- Dry, completely cured concrete (at least 28 days old)
- Concrete and masonry blocks
- Cement backer units (CBU)
- Cementitious screeds, leveling coats and mortar beds
- Waterproofing and crack-isolation membranes
- Wood, plywood, or OSB subfloors that meet NWFA Subfloor Guidelines and Specifications, and meet applicable building codes
- Cement terrazzo floors
- Vinyl composition tile (VCT) or non-cushioned sheet vinyl provided the existing floor covering is still adhered tightly to a level, even and structurally solid subfloor, and is free from excessive wax, grease or sealants

PACKAGING

3' x 33.4' (100 sq ft) do-it-yourself size rolls

Rolls per pallet: 30 Weight per pallet: 400lbs

Pallets per truck: 64 Rolls per truck: 1920

6' x 60' (360 sq ft) contractor sized rolls available.

INSUL100

TECHNICAL DATA

Physical Properties	Blended synthetic fibers
Weight	21.4 oz / sq yd (2.38 oz / sq ft)
Thickness.....	0.11" +- 0.02"
Density.....	16.2 lbs / ft ³
Compression Resistance @ 25%.....	23.2 psi
Compression Resistance @ 30%.....	37.0 psi
Compression Resistance @ 50%.....	219.6 psi
Breaking Strength	Length 78.4 lbs; Width 63.3 lbs
Compression Set @ 25%.....	18.8%
R-Value (@0.125")	0.57 hr-ft ² -degF/Btu (5.18/ inch)

Flammability

Meets or exceeds Federal Flammability Standard: 1-70 (Pill Test) and ASTM E84 Steiner Tunnel Test.

Volatile Organic Compounds (VOC)

Tested for 81 different off-gas compounds in accordance with CA 01350. Passed to the level of Collaborative for High Performance Schools (CHPS) and Office Spaces.

Product Emissions

Passed the most rigorous emissions test: Section 01350 for CHPS and Standard Office

SOUND PROPERTIES

IMPACT SOUND TRANSMISSION

The method is designed to measure the impact sound transmission performance of a floor-ceiling assembly in a controlled laboratory environment.

IIC	Flooring	Sub-floor
60 (Field IIC)	3/8" Engineered Wood over Insulayment	8" concrete (no ceiling assembly)

SOUND TRANSMISSION LOSS

The sound-insulating property of a partition element is expressed in terms of the sound transmission loss.

STC	Flooring	Sub-floor
53	3/8" Engineered Wood over Insulayment	8" concrete (no ceiling assembly)

