

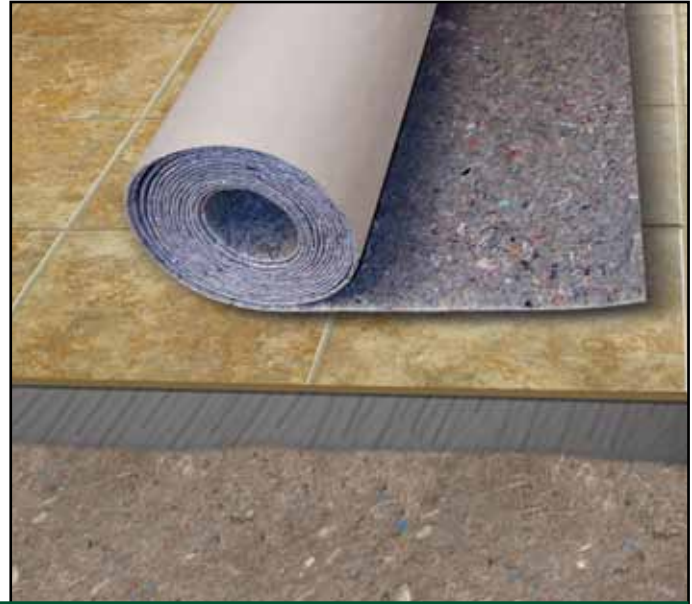
UltraLayer[®]

Peel & Stick



Self-Adhesive Acoustic & Protective Membrane for Tile Installations

UltraLayer P&S™ is a unique, earth-friendly, insulating underlayment that helps absorb impact sound so it won't transfer to lower level rooms; suppresses the effect of concrete sub-floor cracking to protect ceramic tile from potential damage; and insulates floors to help keep them warm in the winter and cool in the summer. The 0.10" thickness of UltraLayer P&S also helps smooth out imperfections in substrates prior to the installation of a hard-surface floor covering.



ADVANTAGES

- **Sound absorption.**
UltraLayer P&S's filaments are randomly air-laid creating a capillary affect to cushion the floor, absorb sound, and help make laminate floors sound more like real wood.
Field Impact Insulation Class (F-IIC) = 60
Impact Insulation Class (IIC) = 52
Sound Transmission Class (STC) = 53
- **Smoothing out minor sub-floor imperfections.**
UltraLayer P&S is firm enough (density = 25.5 lbs/ft³; compression resistance @ 25% = 145.4 psi) to support the overlaying floor, but flexible enough to form around sub-floor surface roughness that may otherwise cause laminate panels to "rock" or lay unevenly.
- **Adding insulation value.**
UltraLayer P&S will add a thermal "break" to the flooring assembly with an r-value of approximately 0.42.
- **Lateral Crack Suppression.**
UltraLayer P&S is warranted for a period of 15 years to suppress the transfer of lateral cracking of up to 1/4" from concrete sub-floors to the covered flooring material.
- **Multipurpose.**
UltraLayer P&S can be used under a variety of hard-surface floors, which includes: ceramic, porcelain, or natural stone tiles and glued-down or nailed down engineered wood floors.

ENVIRONMENTAL ATTRIBUTES

- UltraLayer P&S is LEED™ compliant and will contribute to MRc4.1-4.2 credits.

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.
- UltraLayer P&S is recommended for Type II ceramic installations only. Do not use in shower pan applications or areas exposed to excessive moisture.



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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
- Double layered exterior-grade plywood 1 1/4" (32 mm) total thickness, for residential floors and in dry areas only.
- 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

INSTALLATION

Refer to the UltraLayer P&S Installation Guidelines document for complete installation details.



TECHNICAL DATA

Physical Properties

Blended synthetic fibers. Certified 95% post-industrial recycled content.

Weight 30.15 oz / sq yd (3.35 oz / sq ft)

Thickness 0.10"

Density 25.5 lbs / ft³

Compression Resistance @ 25% 145.4 psi

Compression Resistance @ 50% exceeds machine limit

Breaking Strength Length 78.4 lbs; Width 63.3 lbs

Compression Set @ 25% 20.7%

R-Value (@0.10") 0.42 hr-ft²-degF/Btu (4.2/ inch)

Flammability

Meets or exceeds Federal Flammability Standard: 1-70 (Pill Test) and MVSS 302.

Performance Level

Robinson floor test over 3/4" plywood subfloor with residential porcelain tile, latex modified thinset mortar, and latex modified grout resulted in "Light Commercial" rating for use in "Office space, reception areas, kitchens and bathrooms".

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 UltraLayer P&S	8" concrete (no ceiling assembly)
60 (Field IIC)	Ceramic Tile, thin-set and grout over UltraLayer P&S	8" concrete (no ceiling assembly)
52	Ceramic Tile, thin-set and grout over UltraLayer P&S	Wood frame and gypcrete

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	Ceramic Tile, thin-set and grout over UltraLayer P&S	Wood frame and gypcrete

Packaging

UltraLayer P&S is available in 3' x 33.4' (100 sq ft) do-it-yourself size rolls and 6' x 60' (360 sq ft) contractor size rolls.

