

AQUALAYER®

FLOORING UNDERLAYMENT

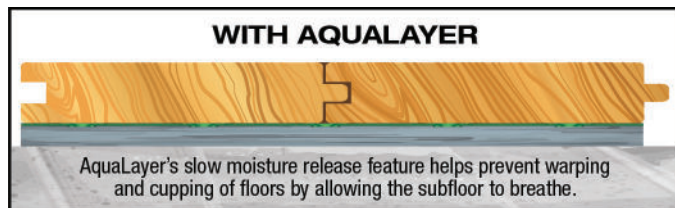
POWERFUL MOISTURE PROTECTION!

-  SUPERIOR MOISTURE PROTECTION
-  ENHANCED VAPOR BARRIER
-  SOUND REDUCTION
-  COMPRESSION RESISTANT
-  SMOOTHS OUT IMPERFECTIONS
-  INSULATION VALUE
-  APPROVED FOR INFLOOR HEATING SYSTEMS
-  MADE FROM 94% RECYCLED MATERIAL
-  CERTIFIED CLEAN AND SAFE INDOOR AIR QUALITY



EXCLUSIVE DRI-WICK TECHNOLOGY

Moisture Absorption Approx. 650% by weight
 AquaLayer will absorb and allow dispersion throughout the product of water moisture in accumulations not exceeding one gallon per 24 hrs per 300 square feet of product and/or allowed to continue to accumulate for more than 7 days. Actual in-house tests have shown results up to 5 times that amount.



ENVIRONMENTAL ATTRIBUTES

- AquaLayer is GREENGUARD and GREENGUARD Gold certified for low chemical emissions (UL2818) and conforms to Collaborative for High Performance Schools (CHPS) – CA Section 01350
- AquaLayer contains 94% post industrial/pre-consumer fibers.
- AquaLayer is LEED™ compliant and will contribute to:
 - MRC4.1-4.2 recycled content credit
 - EQ 4.3 low-emitting materials credit



LIMITATIONS

AquaLayer is not suitable for use as underlayment for:

- Ceramic tile
- Glued-down wood
- Sheet-vinyl
- VCT
- Installations over concrete in high moisture areas (vapor emission rate above 5lbs/1000 sq ft/ 24 hrs as measured with a calcium chloride test kit) will require additional protection, follow all flooring manufacturer's installation recommendations over concrete.

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

TECHNICAL DATA

Physical Properties: Blended recycled synthetic fibers and polyethylene film. Inert hot-melt adhesive.

Weight 12 lbs/roll • 17.28 oz/sq yd • 1.92 oz/sq ft
 Thickness 0.125"
 Density 11.52 lbs / ft³
 Compression Resistance @ 25% 9.5 psi
 Compression Resistance @ 30% 16.6 psi
 Compression Resistance @ 50% 85.5 psi
 Breaking Strength..... Length 72.1 lbs; Width 100 lbs
 Compression Set @ 25% 18.8%
 R-Value (@0.125")..... 0.58 hr-ft²-degF/Btu (4.64/ 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 8mm Laminate.

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 |
|----------------|------------------------------|--|
| 71 | Laminate | WITH ceiling assembly |
| 57 | Floating Engineered Wood | WITH ceiling assembly |
| 68 | Laminate | WITH/suspended gypsum board assembly |
| 60 (Field IIC) | Laminate | NO ceiling assembly |
| 59 | Engineered Wood | Fire Rated System - UL L521 Wood frame with 3/4" gypsum concrete |
| 61 | Floating Engineered Hardwood | Wood frame, gypsum concrete, isolation clips |
| 59 | Floating Engineered Hardwood | Wood frame and gypsum concrete |

SOUND TRANSMISSION LOSS

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

| STC | Flooring | Sub-floor |
|-----|------------------------------|--|
| 66 | Floating Engineered Wood | WITH suspended gypsum board assembly |
| 54 | Laminate | NO ceiling assembly |
| 52 | Laminate | Wood frame and gypsum concrete |
| 61 | Engineered Wood | Fire Rated System - UL L521 Wood frame with 3/4" gypsum concrete |
| 59 | Floating Engineered Hardwood | Wood frame, gypsum concrete, isolation clips |
| 61 | Floating Engineered Hardwood | Wood frame and gypsum concrete |

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

AL100B1LT

RATED RESIDENTIAL AND COMMERCIAL