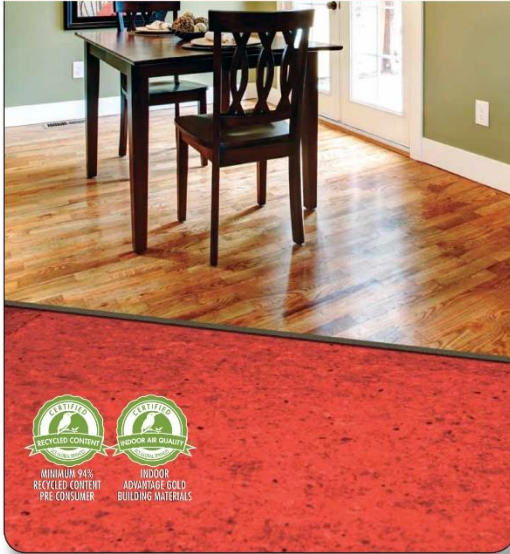




Silent Stride®

PREMIUM FLOATING FLOOR UNDERLAYMENT



For Use Under:

- Laminate Flooring
- Rigid PVC Core Planks (5mm or thicker)
- Floating Engineered Wood

ADVANTAGES



SOUND ABSORPTION

Silent Stride'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.



MOISTURE PROTECTION

When installed properly, Silent Stride's fibers can manage moisture that surfaces in the form of vapors from concrete floors effectively. The fibers allow concrete to "breathe" never allowing vapors to become bulk moisture under floating floors. The attached vapor barrier protects the overlying flooring from harmful moisture. Fibers are treated with a safe anti-microbial to inhibit mold and mildew.



Smoothing out minor sub-floor imperfections.

Silent Stride is firm enough 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.



APPROVED FOR INFLOOR HEATING SYSTEMS

Silent Stride is ideally priced as a quality upgrade from 2 in 1 polyethylene or polystyrene products and is less costly than most froth foam, cork or rubber underlayments with similar sound numbers.



ADDING INSULATION VALUE

Silent Stride will add an R-Value of .58 to the floor system.

ENVIRONMENTAL ATTRIBUTES

- Silent Stride is certified by Scientific Certifications Systems (SCS) to contain **94%** post industrial/pre-consumer fibers. Silent Stride may satisfy LEED™ credits and may contribute to MRC4.1-4.2 and EQc4.3 (Low-Emitting Materials).
- Silent Stride is also Indoor Air Quality Certified through SCS and conforms to the Collaborative for High Performance Schools (CHPS) – CA Section 01350

LIMITATIONS

Silent Stride is not suitable for use as underlayment for:

- Ceramic tile
- Glued-down wood
- VCT
- Sheet-vinyl
- Wood Plastic Composite (WPC)

Installations over concrete in high moisture areas (Vapor emission rate above 3 lbs/ 1000 sq ft/ 24 hrs) will require additional protection such as a concrete sealant or polyethylene vapor barrier.

PACKAGING

Silent Stride is available in
3' x 33.4' (100 sq ft)
do-it-yourself size rolls
6' x 60' (360 sq ft)
contractor size rolls.



REV:0717



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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
- Wood, plywood, or OSB subfloors that meet NWFA Subfloor Guidelines and Specifications, and meet applicable building codes.
- Cement terrazzo floors

PREPARING THE SURFACE

1. Be sure the subfloor surface is clean and dry.
2. In geographic areas where concrete slabs are subject to excessive moisture, a calcium chloride moisture test is required. Vapor emission readings in excess of 3 lbs. per 1,000 square feet in 24 hours will require additional protection such as a concrete sealant or polyethylene sheeting.

INSTALLATION

All wood and concrete subfloors must be flat within 1/8" over a 6' span, or 3/16" over a 10' span. All areas must be checked prior to installation.

1. Roll Silent Stride underlayment over the subfloor with the vapor barrier film (logo imprinted side) facing up to allow the laminate flooring to slide easily over the surface.
2. The perimeter edges of Silent Stride need to be 1/2 to 3/4 inches away from the wall.
3. Seams need to be butted together flush, do not overlap the pad. Tape the seams with water and tear resistant, utility-grade, poly-coated cloth backed tape that has a very aggressive adhesive (duct tape).
4. Install laminate flooring according to the manufacturer's installation instructions.

TECHNICAL DATA

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

Weight..... 16.56 oz / sq yd (1.84 oz / sq ft)
Thickness..... 0.125"
Density..... 11.04 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	6" concrete with ceiling assembly
57	Floating Engineered Wood	6" concrete with ceiling assembly
68	Laminate	8" concrete with suspended gypsum board assembly
60 (Field IIC)	Laminate	8" concrete (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	8" concrete with suspended gypsum board assembly
54	Laminate	8" concrete (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

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

Delta IIC	Flooring
25	Silent Stride under Laminate

Moisture Absorption Properties

Moisture Absorption Approx. 650% by weight

Moisture Statement. Silent Stride 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.

