

Silent Stride Plus

Delta Δ IIC 24
IIC 71 | **IIC 60**
WITH ceiling assembly | NO ceiling assembly
STC 66 | **STC 54**
WITH ceiling assembly | NO ceiling assembly

Suitable over concrete or wood subfloors



For Use Under

- Laminate
- Engineered Wood
- Solid Wood

Installation Methods

- Floating
- Double Glue Down
- Mechanically Fastened



INSTALLATION METHODS

FLOATING FLOORS

1. Roll out underlayment vapor barrier side up and butt seams together
2. Tape seams with provided lip & tape, or moisture barrier seam tape
3. Click & lock floating floors over the top according to manufacturer

DOUBLE GLUED DOWN FLOORS

1. Roll out underlayment with the vapor barrier side up and butt seams together
2. With a utility knife cut off the overhanging lip/flap before applying adhesive
3. Adhere to subfloor using recommended flooring manufacturer's adhesive and recommended trowel size and install method
4. Roll over the underlayment with a 75 or 100 pound roller
5. 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. Remove the tape strip from the edge and secure lip and tape edges together for proper moisture protection.
3. 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

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

LIMITATIONS

Silent Stride Plus is not suitable for use as underlayment for:

- Ceramic tile
- Sheet-vinyl
- VCT
- Installations over concrete in high moisture areas (vapor emission rate above 7lbs/1000 sq ft/ 24 hrs as measured with a calcium chloride test kit) will require additional protection such as a concrete sealant or polyethylene vapor barrier.

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

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.

Moisture Absorption Properties

Moisture Absorption Approx. 650% by weight
 MoistureStatement. Silent Stride Plus 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.

TECHNICAL DATA

Physical Properties: Blended 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
55	Laminate	6" concrete slab with 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
50	Laminate	6" concrete slab with no ceiling assembly
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
24	Silent Stride Plus under Laminate



SCAN the code for testing & downloadable reports



SSPLUS100

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 REV 0822