ULTIMATE CRACK & MOISTURE PROTECTION

GreenSkin™ Flooring is an Innovative, Self-Adhering Underlayment Membrane, For a Primerless Installation!

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<th>PT. NUMBER</th>
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<tr>
<td>GS3675</td>
<td>36' x 75' GreenSkin™ Flooring Underlayment Membrane</td>
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<tr>
<td>GS1875</td>
<td>18' x 75' GreenSkin™ Flooring Underlayment Membrane</td>
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FEATURES AND BENEFITS

EASY APPLICATION:
- Save Time and Money with our 100% Primerless Chemistry - Simply Sweep, Mop and Lay GreenSkin™ directly onto substrate.
- E-Z Peel Self Adhered/Peel and Stick Technology for Silky Smooth Tear Resistant Liner Release.

MOISTURE PROTECTION:
- Premium Water Resistant, Recycled Anti-Fracture Non-Wicking Membrane.
- Super Hi-Strength Patented Antimicrobial/Non-Absorbent Design.
- Guaranteed Zero Moisture Wicking for the Ultimate in Water Resistance/Protection.
- Maximum Water Resistance/Protection via our Patented HYDRO-SEAL™ Butt-Seam/Joint Design.

EFFECTIVE CRACK SUPPRESSION/ISOLATION:
- Patented Elastomeric Adhesive-Membrane Design Provides Up To 1/2” Crack Strength.
- Passes (and exceeds) ANSI 118.12 for 1/8” Crack Suppression/Isolation (High Performance Rating).
- 5 Layer Membrane Construction w/ Hi-Strength Insulating Water Tight Metallic Polyester Film Core.

GREEN TECHNOLOGY:
- LEED Points Contribution: Up to 2 Points as GreenSkin™ has Recycled Content of 35-40% Based on Product's Total Combined Weight.
- 40% Lighter Weight Than Typical Noxious Asphalt/Membrane Designs.
- Super-Aggressive Crystal Clear Hot Melt PSA Adhesive with Zero Solvants or VOC's (Volatile Organic Compounds That Can be Harmful to Humans and the Environment).
- Highly Reflective/Super Energy Efficient Insulated Core.
TCNA CERTIFIED “HIGHEST PERFORMANCE” CRACK STRENGTH RATING

Primerless Process Saves You Time And Money
40% Lighter Than Typical Noxious Asphalt Underlayments
Made in the USA from Recycled Material

SURFACE PREPARATION FOR OPTIMAL RESULTS:

- Ensure conditions are satisfactory for proper installation. Do not proceed with installation until unsatisfactory conditions are corrected.
- Installation and subfloor requirements must conform to TCNA standards.
- Concrete subfloors must be dry, clean and free of dirt, grease, wax, paint, oil or anything that would adversely affect adhesion of the GreenSkin™ Flooring Underlayment (Sweep, vacuum and damp sponge the substrate for best results).
- Grind bumps and level slab depressions with a quality latex underlayment in accordance with manufacturers’ instructions.
- Scarify smooth surfaces.
- Check subfloor for excessive moisture. If subfloor moisture/vapor is beyond 4 lb emissions GreenSkin™ Flooring Underlayment membrane cannot be used without first applying a sealer.
- Leveling cements must be completely dry before membrane application.
- Surfaces must be flat, structurally sound and meet 1/360 for ceramic and porcelain tile or 1/720 for stone tile on live or dead loads. Maximum variation of 1/4” in 10’ from the required plane.

GreenSkin’s aggressive adhesive holds firmly to the substrate.

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**APPLICATION:**

Priming is generally unnecessary except for highly porous surfaces such as mud beds, gypsum/gypcrete, and patching/leveling compounds and such materials. All surfaces should be tested prior to installing GreenSkin™ Flooring Underlayment to ensure best possible bonding scenario. Always apply a primer to the subfloor and allow it to dry for approximately 20 - 30 minutes before installing the GreenSkin™ Flooring Underlayment for best bond results.

- Measure and cut GreenSkin™ Flooring underlayment approximately 4" - 6" longer than required size for that portion of the job. Re-roll membrane.
- Carefully cut the release liner widthwise 6"- 8" from end. Line up side of membrane with desired edge, pull off release liner and adhere end of roll to the substrate.
- Press Membrane into place with flat side of trowel or a 75-100# Roller. If air pockets occur, place a small slit in the affected area of the membrane. Smooth out with a roller or trowel.
- Begin peeling remainder of release liner (pull the release liner material close to the floor while pulling away from membrane roll to allow for a more controlled application) while pressing membrane into place with flat side of trowel or Roller.
- Trim end to desired length.

*Edges and Seams: Seams may be overlap or butt-joint seams.*

After GreenSkin™ Flooring Underlayment is adhered, ceramic or stone tiles can be installed with a latex modified thinset mortar meeting the ANSI 118.4 standard. Follow mortar manufacturer's recommendations for trowel size and open time. Use square notched trowel so as not to damage membrane during thinset application. Continue to follow the TCNA's installation requirements through the remainder of the installation.

Natural stone: When installing natural stone over GreenSkin™ (As with any other impervious membrane), it is important to maintain a thin-set thickness of 3/8" (9.5 mm) or less after the tile is embedded, even if the mortar manufacturer allows for thicker installations. Thicker mortar beds can potentially provide sufficient moisture to cause some natural stones to warp or crown.
RECOMMENDATIONS
FOR BEST PERFORMANCE:

- Not recommended for use where vertical floor movement is present.
- Not recommended for use where horizontal floor movement is greater than 3/8”.
- Not recommended to cover joints or cracks larger than 3/8”.
- Not recommended for use on concrete floors where hydrostatic head pressure exists or moisture vapor transmission in excess of 3-4 lbs. is present without proper sealers.
- Existing cracks larger than 3/16” should be prepared with proper backing material prior to installing GreenSkin™ Flooring underlayment.
- Do not install over wet primer.
- For installations over plywood subfloors, please refer to TCA Handbook F147-05. For expansion joints, reference TCA Method EJ171-05.
- Do not apply GreenSkin™ Flooring Underlayment over substrates containing solvent based waterproofing preservatives that could chemically react with the membrane such as Marine Grade plywood.
- When installed as a crack repair, membrane must exceed 1.5x the diagonal width of the tile.
- Entire tile must be supported by CSI membrane. Note: Tile can easily buckle and crack due to lack of proper expansion joints placed in tile. See TCA handbook detail EJ171 for guidelines.

SOFT JOINTS:

- There are guidelines that need to be followed for a soft joint to be effective. Manufacturer accepts and recommends compliance with the TCNA guidelines.
- In general a control joint should be every 20’ – 25’ in each direction for interior installations and every 8’ – 12’ in each direction for exterior installations. Interior installations which are exposed to direct sunlight also need control joints every 8’ – 12’.
- Along with these control joints you also need to ensure proper perimeter spacing.
- Manufacturer understands all installations are different and modifications may be made to individual projects.
- When “bandaiding” a cracked floor; Manufacturer recommends no less than 1.5x the diagonal width of the tile for the width of the membrane. Individual tile pieces should be completely adhered to the membrane and not partly to a non-membrane covered substrate.

JOINT SPACING:

- 16” O.C. 19/32” T/G exterior grade plywood, single layer.
- 19.2” O.C. 23/32” exterior grade plywood/OSB, single layer.
- 24” O.C. 23/32” T/G exterior grade plywood under 3/8” exterior grade plywood/OSB.
- All scenarios with a 1/8” (.125”) gap between boards.
TESTING:

- Passes (and exceeds) ANSI 118.12 for 1/8” Crack Suppression/Isolation (High Performance Rating)
- Adhesion to Plywood: ASTM* D903 = 4.25 lbs/in width
- Tensile Strength MD: ASTM* D882 = 209 Lb/In-Width – TD: ASTM* D882 = 223 Lb/In-Width
- Tear MD: ASTM* D1922 = 5,681 Grams – TD: ASTM* D1922 = 5,966 Grams
- Elongation at Break: ASTM* D412 = 500% Minimum
- Application Temperature = 15 deg F to 140 deg F
- Service Temperature = -25 deg F to 195 deg F
- Robinson Flooring: ASTM* C627 = Extra Heavy Commercial Rating (successfully completed cycles 1-14)
- Puncture: ASTM* E154 = 192 Lbs
- Water Vapor Transmission Rate: ASTM* E 96-53 (Method E) = .0011 perms

ASTM is the internationally recognized testing agency.

STORAGE AND HANDLING:

Store all material inside in a dry space at temperatures between 30 and 90 degrees F. Do not remove material from box until ready to use or store in direct sunlight.
WARRANTY:

GreenSkin™ is warranted to be free of defects in manufacturing for a period of 5 years. It is warranted against floor tile fractures due to horizontal movement of the substrate following ANSI 108 procedures for tile installations. Manufacturer guarantees to the original owner that the GreenSkin™ will be free from manufacturing defects, will not break down, deteriorate or fail to isolate finished floor from 3/8” horizontal movement of substrate for full floor coverage or 1/4” movement with 1 ½ times the diagonal width of tile installation when installed in accordance with ANSI tile industry standards. Should a GreenSkin™ product prove defective during the term of this guarantee, Manufacturer will pay for replacement of the portion of the installation that involves the defective product. This payment will include finish materials, labor and installation; provided the cost per square foot to Manufacturer does not exceed the original cost of installation per square foot.

Warranty is VOID if GreenSkin™ is less than 1 ½ times the diagonal width of tile being installed. Installation must be in accordance to ANSI 118.12. Warranty is void if hydrostatic water pressure exists. Water Vapor Transmission shall not exceed 5 lbs per 1000 sq-ft. /24hr period. All expansion joints should be in compliance with Tile Council of America Installation Handbook.

Manufacturer reserves the right to inspect all claims.

GreenSkin™ works on a variety of substrates including Concrete, Plywood & Backer Board.