GREENGLASS® Primed Roof Board

a Temple-Inland product

07 22 16 – Roof Board Insulation

Product Description

Temple-Inland® GreenGlass® Primed Roof Board is a fiberglass-faced, noncombustible, nonstructural gypsum panel designed to satisfy the requirements of commercial roofing systems as a cover board, thermal and/or fire barrier and recovery board. Produced with a factory-applied acrylic surface coating, a mold-resistant gypsum core and naturally mold- and moisture-resistant fiberglass-mat facers, GreenGlass Primed roof board is a flat, stable panel with excellent resistance to moisture penetration, wind uplift, delamination and deterioration compared to paper-faced gypsum board, perlite insulation and fiberboard. It also provides high recycled content to contribute credits in LEED and other green building rating systems.

Advantages

- SCS certified to contain at least 90% certified recycled content on a dry-weight basis in accordance with ISO 14021 standards
- TemShield® Mold Protection System made into core and sandwiched between mold-resistant fiberglass facers (this combination scored a 10 when tested in accordance with ASTM D3273)[1]
- Coating improves surface bonding and may eliminate need for field priming (consult membrane manufacturer)
- UL classified as a Class A fire barrier over combustible and non-combustible decks in accordance with ANSI/UL 790 test standard
- Tested in accordance with FM 4470 and is included in numerous roofing assemblies with a Factory Mutual (FM) Class I fire-rating

Applications/Compatibility

- Compatible with multiple roof types including BUR, modified bitumen, single-ply and metal systems
- Acceptable overlay for polyisocyanurate, polystyrene and other insulations
- May be used as a backer board or liner for the roof side of a parapet wall
- Suitable for adhesion of cold mastic modified bitumen and torching directly to the surface (with system manufacturer approval)

Limitations

- Store product level and off the ground with adequate air circulation around bundles and protected by breathable waterproof cover
- Avoid application of product in rain, fog or any condition where moisture may deposit on the surface
- Do not install more GreenGlass roof boards in a work day than can be covered by the final roof membrane that same day
- Avoid exposure to water vapor movement by convection, surface condensation or direct water flow due to leaks
- In hot-mopped applications, the maximum temperature of the Type III asphalt should not exceed 425 to 450 degrees Fahrenheit
- Install a vapor retarder over all concrete decks, apply a venting base sheet or vapor retarder
- Do not subject to abnormal foot traffic or loads that may damage or fracture panels without providing adequate protection
- For torch applied applications, make sure product is dry and apply majority of flame to roll while limiting heat on GreenGlass
- Use ribbon or spot-mopping or a perforated base sheet in lieu of full mopping if bubbles are evident in asphalt

Applicable Standards

- Manufactured in accordance with ASTM C1177

Submittal Approvals

JOB NAME: _____

CONTRACTOR: _____ DATE: _____

Product Data

WIDTH	LENGTH	THICKNESS / PRODUCT WEIGHT	EDGE FORMATION
48" (1219 mm)	8' (2438 mm)	1/4" (6.4 mm), 1.3 lbs/ft² 1/2" (12.7 mm), 2 lbs/ft² 5/8" (15.9 mm), 2.3 lbs/ft²	Square

Special Order Information: Other widths, edges and lengths may be available on special order with established minimums and lead time. Some products may not be available in all markets. Please check with your local Temple-Inland sales representative.

1. Mold and Moisture Resistance: GreenGlass products have scored a 10, the highest value possible, when tested in accordance with ASTM D3273, the standard test for mold resistance. The ASTM D3273 lab test may not be applicable to the actual performance of building materials. No material may be labeled mold proof, and resistance to mold growth depends on many factors. Prolonged exposure to moisture may cause mold and mildew to grow on any surface. Therefore, in order to maximize the mold and mildew resistance of a material, it is essential that good design, handling and construction practices be implemented. This involves avoiding water exposure during all phases of storage, handling, shipping, installation and after installation is complete.

SCS CERTIFIED Minimum 90% Recycled Content

U.S. GREEN BUILDING COUNCIL MEMBER

NAHB CERTIFIED GREEN

ISO 14021