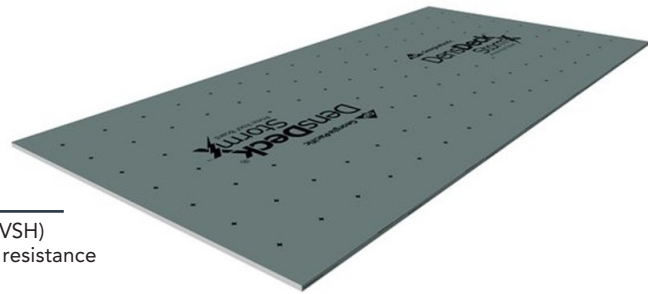


Tremco/GP DensDeck® Stormx® Prime Roof Board



FEATURES

Extreme Durability

Moisture Resistance

Versatility

Enhanced Installation

BENEFITS

Approved for FM Very Severe Hail (VSH) classification, providing unmatched resistance against impact

Designed with patented EONIC™ Technology for the highest level of moisture protection.

Ideal for multiple roofing systems such as single-ply, modified asphalt, metal systems and more

Works seamlessly with adhered, self-adhered, "peel & stick," hot mopped and torch-applied systems.

DESCRIPTION

Tremco/ GP DensDeck® StormX® Prime Roof Board provides a higher level of performance and is recommended for mechanically fastened, adhered and partially adhered roofing systems. This Roof Board is FM classified for Very Severe Hail (VSH) in approved in single ply membrane assemblies. This gypsum cover board was the first of its kind to pass FM VSH in a single ply assembly.

BASIC USES

Tremco /GP DensDeck StormX Roof Board is compatible with many types of roofing systems, including: modified asphalt, single-ply, metal systems, recover board, as well as an overlayment/cover board for polyisocyanurate and polystyrene insulation. Tremco / GP DensDeck StormX Roof Board can also be used as a form board for poured gypsum concrete deck in roof applications as well as a substrate for spray foam roofing systems. Tremco / GP DensDeck StormX Roof Board may also be used in vertical applications as a backer board or liner for the roof side of parapet walls.

DIMENSIONS

Tremco/GP DensDeck® StormX® Prime Roof Board in truckload quantities in the following size: 5/8" x 4' x 8'

STORAGE

Remove the plastic packaging from all Tremco/GP DensDeck® Roof Board Products immediately upon receipt of delivery. Failure to remove the plastic packaging may result in entrapment of condensation or moisture. Tremco/GP DensDeck® Roof Board Products stored outside must be stored level and off the ground and protected by a breathable waterproof covering. Provide means for air circulation around and under stored bundles of Tremco/GP DensDeck® Roof Board Products. Tremco/GP DensDeck® Roof Board Products must be covered the same day as installed.

APPLICATION

Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be shut down, and numerous other conditions. The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based on the condition of your roof.

Structural Decks: Must be properly designed and structurally sound.

Drainage: Ponding conditions are unacceptable and will adversely affect the performance of any roofing system. If positive drainage does not exist, water removal from the roof surface must be facilitated by lowering drains, and/or installing drains, tapered insulation, or Tremco approved lightweight insulating concrete system.

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SURFACE PREPARATION

Prior to installing the insulation and/or roof board, the substrate must be clean, dry and free of dust, dirt, oil, or other contaminants. Concrete and gypsum decks must be properly cured and sufficiently dry prior to installing insulation and/or roof Board. Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

INSTALLATION PROCEDURES

Tremco/GP DensDeck StormX Prime is approved for application in FAS-n-FREE Adhesive and also Tremco Low Rise Foam Insulation Adhesive. Tremco/GP DensDeck StormX Prime can also be installed in a full mopping of Tremco Premium III Asphalt or ASTM D 312, Type III asphalt. Mechanical fasteners can also be used to secure Dens-Deck to structural roof decks.

Direct to Decks:

The joints of the Tremco/GP DensDeck StormX Prime must be offset 6 inches (150 mm) with the joints in the structural deck. Tremco/GP DensDeck StormX Prime can also be installed directly to steel, cement, wood fiber, gypsum, and concrete roof decks as a substrate for vapor retarders or other roof membrane systems. Consult with your Tremco Representative for Tremco approved system combinations.

Overlayment:

Tremco/GP DensDeck StormX Prime can be specified as an overlayment for approved insulation boards, such as polyisocyanurate, wood fiber, and fiberglass insulation. Dens-Deck StormX Prime can be used as a substrate for Tremco cold process POWERply® MB and BURmastic® systems. Dens-Deck is also used as a substrate for adhered or mechanically attached Tremco Single Ply roof systems. POWERply torch and heat welded systems can also be applied to Tremco/GP DensDeck StormX Prime, provided the torch flame or hot air is not pointed directly at the Tremco/GP DensDeck StormX Prime during application. Hot applied BUR systems can be applied directly to Dens-Deck provided the bitumen mopping temperature does not exceed 425°F (218°C). Asphalt ply sheets with com-ply with ASTM D 2178 are approved for application direct to Tremco/GP DensDeck StormX Prime. Fully coated asphalt base sheets and modified bitumen base sheets are not recommended for application direct to Dens-Deck in hot applied configurations.

Adhesive Application:

Apply insulation adhesive per product recommendation. Set Tremco/GP DensDeck StormX Prime into the adhesive immediately and step into place. Obtain and read the Specifications Data Sheets for insulation adhesive products for further information.

Bitumen Application:

Hot applied asphalt can be used to adhere Tremco/GP DensDeck StormX Prime to concrete decks, mechanically attach base sheets, and insulation layer(s) previously secured. Concrete decks must be primed with Tremprime WB or Tremprime QD Low Odor and allowed to thoroughly dry. Adhere Tremco/GP DensDeck StormX Prime to substrate in a full coverage of hot applied asphalt at a coverage rate of 30 lbs. per 100 sq. ft. (1.5 kg/m²) ± 20%. Place insulation immediately into the hot bitumen and step into place to achieve a solid bond.

Fastener Attachment:

Tremco Fasteners and Steel Plates are recommended where mechanical attachment is specified. Do not mix fasteners and discs of different brands unless the combination has been specifically tested and approved by Tremco.

Fasteners must be driven perpendicular to the deck. Fasteners should be driven tight enough so that the disc will not turn. Do not overdrive the fasteners, as the roof boards may fracture and become susceptible to loss of attachment.

- When Tremco/GP DensDeck StormX Prime is installed in a mechanically attached configuration, use fastener plates which have a flat upper and lower surface to minimize potential for damaging the fiberglass facer.

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Fastener Attachment (cont.):

- Do not apply Tremco/GP DensDeck StormX Prime in hot bitumen in combination with a ply or membrane fully mopped in hot bitumen over the top of the same Tremco/GP DensDeck StormX Prime board/layer.
- Do not apply fully coated asphalt or modified bitumen in combination with base sheets directly to Tremco/GP DensDeck StormX Prime in hot applied bitumen.

PHYSICAL PROPERTIES

Properties	5/8" (15.9 mm)
Thickness, nominal	4' (1219 mm) ± 1/32" (.8 mm)
Width, standard	4' (1219 mm) ± 1/8" (3 mm)
Length, standard	4' (1219 mm) and 8' (2438) ± 1/4" (6.4 mm)
Weight, nominal, lbs./sq. ft. (kg/m²)	3.0 (14.6)
Surfacing	Fiberglass mat with non-asphaltic coating
Flexural Strength ^a , parallel, lbf. min. (N)	≥100 (444)
Flute Spanability ^b	8" (203 mm)
Permeance ^c , perms (ng/Pa•S•m²)	>17(>970)
R Value ^d , ft²•°F•hr/BTU (m²•K/W)	.67
Linear Variation with Change in Temp. in/in °F (mm/mm/°C)	8.5x10 ⁻⁶ (15.3x10 ⁻⁶)
Linear Variation with Change in Moisture	6.25x10 ⁻⁶
Water Absorption ^e , % max	5
Compressive Strength ^f , psi nominal	900
Surface Water Absorption, grams, nominal	1.0
Mold Resistance ^g	10 (highest possible)
Product Standard Compliance	ASTM C1177

a. Tested in accordance with ASTM C473 method B.

b. Tested in accordance with ASTM E661.

c. Tested in accordance with ASTM E96 (dry cup method).

d. Tested in accordance with ASTM C518 (heat flow meter).

e. Specified values per ASTM C1177.

f. Tested in accordance with ASTM C473.

g. When tested, as manufactured, in accordance with ASTM D3273, DensDeck Roof Boards have scored a 10, the highest level of performance for mold resistance under the ASTM D3273 test, indicated no mold growth in a 4-week controlled laboratory test. The mold resistance of any building product when used in actual job site conditions may not produce the same results as were achieved in the controlled, laboratory setting. No material can be considered mold proof. For additional information, go to www.buildgp.com/safetyinfo.

CODES & APPROVALS

Tremco / GP DensDeck StormX Roof Boards are manufactured to meet ASTM C1177 and meet the following standards and classifications:

- Type X
- ANSI/UL 790 and ULC-CAN S114 Classification – Class A (unlimited slope)
- UL 1256 Classification • FM Class 1
- When used as part of a UL 1256 or FM 4450 classified system, no additional thermal barrier is required per IBC

MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

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PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the service of the Tremco Service Staff.



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