

Tremco/USG Securock®

A Fiber Reinforced, Moisture Resistant Gypsum Roof Board

Composition: Tremco/USG Securock® consists of a fiber reinforced, moisture resistant gypsum blend that is homogeneous from surface to core. The panel surfacing is compressed to provide a low dusting surface, with moisture resistance provided through the use of a silicone based additive. Securock contains 97% recycled material and meets ASTM D1278 / C1278M, the Standard Specification for Fiber-Reinforced Gypsum Panel.

Basic Uses: Tremco/USG Securock is used as a non-structural roof board in a variety of low slope roof system configurations. Securock is recommended as an overlayment (cover) board in cold process and hot applied BUR and MB roof systems. Securock is also a substrate for Tremco Single Ply roof systems. Securock may be applied directly to structural roof decks such as steel and wood to improve the application or fire resistance of the roofing assembly. Securock is also recommended as a substrate for vapor retarder systems.

Tremco/USG Securock may be used in a variety of non-structural roofing applications. Contact your local Tremco Representative for a list of approved applications.

Limitations:

Tremco/USG Securock is engineered to perform within a properly designed roof system. The use of Securock as a roofing component is the responsibility of the design professional.

Weather conditions such as dew, rain, snow and moisture drive may have adverse effects on the performance of the roof system. Keep Securock panels dry before, during, and after installation.

For reroof or re-cover applications, the existing roofing system must be dry throughout prior to application of Securock.

When applying solvent-based adhesives or primers, allow sufficient time for the solvent to evaporate to avoid damage to roofing components.

Do not exceed a maximum asphalt application temperature of hot bitumen of 450°F when using Securock. Application temperatures above these recommended temperatures may adversely affect roof system performance.

Dimensions: Securock is available in truckload quantities in the following standard sizes:

1/4" x 4' x 8'

3/8" x 4' x 8'

1/2" x 4' x 8'

5/8" x 4' x 8'

Securock is also available in 4' x 4' dimensions. Please contact your local Tremco Representative for information regarding lead times for 4' x 4' sizes.

CERTIFICATION: Tremco/USG Securock contains a minimum 97% Pre-consumer Recycled Gypsum and Paper Content per SCS Global Services Registration # SCS-MC-01185

General Application Data: 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.

Roof Board Storage: Roof boards must be dry and kept dry. When stored outdoors, stack roof boards on pallets at least 4 inches (100 mm) above the ground level. Upon receipt of roof board on the job site, remove the factory plastic packaging. Cover the top and sides of the roof board with waterproof tarpaulin (not polyethylene) and secure. Do not stack more than two pallets high.

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.

APPROVED ATTACHMENT METHODS: The use of FAS-n-FREE Adhesive for solvent free, fastener free insulation attachment is the preferred method of attachment unless otherwise specified. All board sizes of Securock are approved for application in FAS-n-FREE Adhesive. Securock may also be installed in Tremco Low Rise Foam Insulation Adhesive or in a full mopping of Tremco Premium III Asphalt or ASTM D 312, Type III asphalt. Mechanical fasteners can also be used to attach Securock to structural roof decks.

Product Advantages	
Features	Benefits
No fiberglass facer	<ul style="list-style-type: none"> • Surface does not overabsorb adhesives • Minimal surface dusting
Treated gypsum core	<ul style="list-style-type: none"> • Moisture resistant • Fire resistant
High compressive strength	<ul style="list-style-type: none"> • Impact resistant • Puncture resistant • Excellent flute spanability
Available in variety of thickness	<ul style="list-style-type: none"> • Conforms to surfaces • Provides rigid overlayment/underlayment



Roofing & Weatherproofing Peace of Mind™

Direct to Decks: For Tremco BUR roof system classifications, when Securock (minimum 1/2" thick) is installed directly to a wood roof deck, the resulting deck assembly is considered a non-combustible roof deck per Underwriters Laboratories. The joints of the Securock must be offset 6 inches (150 mm) with the joints in the structural deck.

Securock 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: Securock may be specified as an overlayment for approved insulation boards, such as polyisocyanurate, wood fiber, and fiberglass insulation. Securock may be used as a substrate for Tremco cold process POWERply® MB and BURmastic® systems. Securock is also used as a substrate for adhered or mechanically attached Tremco Single Ply roof systems.

POWERply torch and heat welded systems may also be applied to Securock, provided the Securock is primed with an asphalt primer and the torch flame or hot air is not pointed directly at the Securock during application.

Hot applied Tremco THERM BUR and POWERply MB systems may be applied directly to Securock provided the bitumen mopping temperature does not exceed 425°F (218°C).

Gap Board Joints: Butt board edges and ends loosely (minimum 1/16" gap on all edges). This gap may need to be greater at temperatures below 50°F. Refer to USG Securock guidelines for specific recommendations.

Adhesive Application: Prime concrete and metal deck substrates with Tremprime WB. After primer has thoroughly dried applied FAS-n-FREE Adhesive to the substrate in ribbons of 1/2"-3/4" (13mm-19mm) diameter beads at the required coverage rate. Set Securock into the adhesive immediately and step into place. Gap board joints as described above.

Bitumen Application: Hot applied asphalt can be used to adhere Securock 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 Securock 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. Gap the board joints as described above.

Fastener Attachment: Tremco Fasteners and Steel Plate are recommended where mechanical attachment is specified. Do not mix fasteners and discs of different brands.

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.

Precautions:

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

Availability and Cost:

Contact your local Tremco Representative for pricing and availability. For the name and number of your Representative call the Roofing Division 216/292.5000.

Maintenance:

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

Physical Performance Characteristics

Tremco/USG Securock®

Property	Typical Value		Test Method
	1/4" (6.4mm)	1/2" (12.7mm)	
Flexural Strength Parallel	40 lbf (178N)	110 lbf (490N)	ASTM C 473 Method 8
Permeance (perms)	30	26	ASTM E 96
R Value	0.2	0.5	ASTM C 518
Flute Spanability	2 5/8" (67mm)	8" (203mm)	ASTM E 661-88
Compression	1800psi	1800psi	ASTM C 473
Weight	157 lbs./SQ	276 lbs./SQ	

Guarantee/Warranty:

Tremco Incorporated warrants Tremco/USG Securock to be free of defects and to meet published physical properties. When cured and tested according to ASTM and Tremco Standards. Under this warranty, Tremco/USG Securock that is proved to be defective when applied in accordance with our written instructions and in applications recommended by Tremco as suitable for this product will be replaced with like product. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY. All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty is in lieu of any and all other warranties expressed or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Technical Services:

Your local Tremco Representative, working with the Tremco 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 waterproofing technology, compliment and extend the services of the Tremco Technical Service staff.

Statement of Policy and Responsibility: Tremco takes responsibility for the furnishing of quality roofing materials, and providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its representatives architecture or engineering, Tremco offers no opinion on and expressly disclaims any responsibility for soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resulting damages and no Tremco Representative is authorized to vary this disclaimer.



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