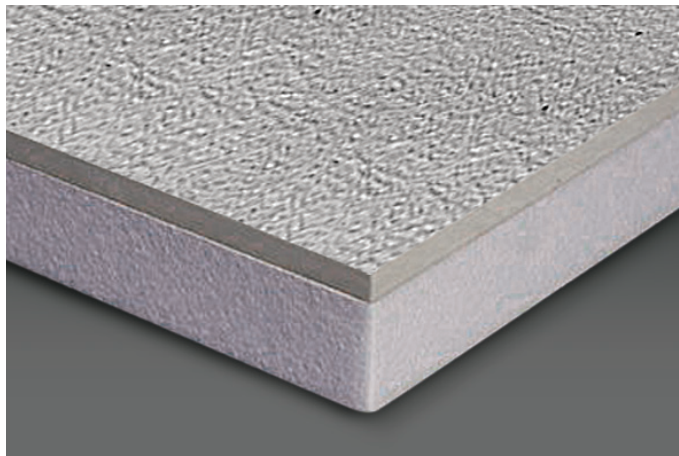


SecurShield® HD EPS Composite



Overview

SecurShield HD EPS Composite is a composite insulation consisting of a closed-cell, lightweight expanded polystyrene (EPS) bonded to high-density polyisocyanurate cover board. The polyiso cover board is manufactured at 1/2" thickness and minimum 80 psi compressive strength. The EPS is available in compressive strengths from 10-60 psi and densities from 1-3 pcf. SecurShield HD EPS Composite is an excellent choice for new or retrofit applications where high thermal efficiency and maximum durability are desired.

Features and Benefits

- Labor saving product eliminates separate installation of a coverboard
- Provides additional resistance to high winds and hail
- Contains no formaldehyde or ozone-depleting CFCs or HCFCs and contains recycled material
- 100% recyclable

Intended Uses

SecurShield HD EPS Composite is acceptable for adhered and mechanically attached Versico assemblies.

Installation

Under mechanically attached membranes, the SecurShield HD EPS Composite should be installed using a minimum of five fasteners, with insulation plates, per 4' x 8' board prior to placement and fastening of roof membrane. Adhered membrane installation requires attachment to the deck with EPS-compatible roof insulation adhesives or fastened with a minimum of one fastener every two square feet.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Product Characteristics

SecurShield HD EPS Composite is available in several standard thicknesses ranging from 1 1/2" to 7", and is available in custom lengths and widths with little to no impact on lead time.

Typical Thicknesses and Thermal Values*

Nominal Thicknesses (including 1/2" HD ISO)	1 1/2"	2"	3"	4"	5"	6"
R-value @ 75°F	6.37	8.30	12.13	15.98	19.83	23.68

* Values based on Type I EPS material. Also available in Types II, VIII and IX, values will vary.

Precautions

SecurShield HD EPS Composite is not a structural panel, and is suitable only for installation over fully supported structural decks.

Consult Versico's technical department for additional guidelines.

SecurShield HD EPS Composite

EPS Typical Properties and Characteristics**

Property	Test Method	Value
Density (nom. pcf)	ASTM C303	1.0
Compressive Strength (psi, 10% deformation)	ASTM D1621	10 - 14
Dimensional Stability (maximum %)	ASTM D2126	2.0
Water Absorption (max. % vol.)	ASTM C272	4.0

** Values based on Type I EPS material. Also available in Types II, VIII and IX, values will vary.

Typical properties and characteristics are based on samples tested and are not guaranteed.

SecurShield HD Typical Properties and Characteristics

Property	Test Method	Value
Compressive Strength	ASTM D1621 (modified)	100 psi (kPa)
Dimensional Stability	ASTM D2126	< 0.5% linear change (7 days)
Water Absorption	ASTM C209	< 1% volume
Resistance to Mold	ASTM D3273	Passed (10)
Service Temperature		260°F or less
R-value	ASTM C518	2.5
Thickness		½"

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Post-consumer Recycled Content	Up to 15% (EPS) <8% (Polyiso)
Manufacturing Locations	Anchorage, AK Aurora, CO Chino, CA Dixon, CA Kent, WA Lakeland, FL Mead, NE Phoenix, AZ



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