

ElastoTherm™ HD Coverboard FR

TECHNICAL PRODUCT INFORMATION



BITEC® HD Coverboard FR is a closed cell polyisocyanurate foam core bonded to an inorganic ElastoTherm E coated glass facer.

FEATURES & BENEFITS

BITEC ElastoTherm HD Coverboard FR also provides the following features and benefits:

- Manufactured in 0.625" thickness in both 4' x 4' and 4' x 8' sizes
- Manufactured using a CFC-free, HCFC-free, and HFC-free foam blowing technology that has zero ozone depletion potential (ODP) and virtually no global warming potential
- UL Class A fire rating over a combustible deck when used with a UL classified membrane that is currently classified to be used with ElastoTherm B or ElastoTherm E insulations
- Tested per ASTM C 1289 to have a minimum compressive strength of 80 psi (551 kPa)

PACKAGING

Packaging: Shrink wrapped bundles on pallets

Pieces per pallet: 36

Pallets per truckload (typical for 4'x8' pallets): 22-24

APPROVALS

UL 790 Roofing Systems Classification

UL Class A over combustible decks with UL classified membranes

FM Approved 4450 / 4470 (refer to RoofNav for specific details)

APPLICATION

BITEC ElastoTherm HD Coverboard FR roofing insulation can be installed as a part of many different roofing systems. Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

Panels must be kept dry from storage through installation. Install only as much as can be covered with roofing that same day. When using multiple layers of insulation, joints should be staggered a minimum of 6" (15 cm) to prevent thermal bridging. Panels must be fitted neatly to the roof deck and with no more than a 1/4" (0.6 cm) gap around penetrations. Panels should be abutted together and adjacent panels should have their joints staggered. Each ElastoTherm HD Coverboard FR should be secured over either an existing roof system or base layers of insulation.

Please consult BITEC Technical Services, local building codes, contract documents, FM Global, FBC, Miami-Dade County, and any other referenced sources for full fastening details.

As with any roofing project, good roofing practices should always be followed.

STORAGE & HANDLING

Store ElastoTherm panels flat and in a horizontal position to prevent damage, in the original pallet and shrink wrap, if possible. Store elevated (at least 3" / 7.6 cm) and covered to protect from environmental damage. Do not use wet or damaged panels. Refer to PIMA Tech Bulletin No. 109 for additional guidelines.

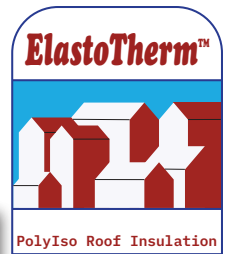
PRECAUTIONS

This product will burn if exposed to significant heat and intensity. Do NOT apply flame directly to ElastoTherm HD Coverboard FR. Recommended for use with BITEC self-adhering and single ply systems.

Safety first! The roofing contractor and employees are the key to success regarding safety. Safety should always be first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit www.bitec.com.

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Thermal Data and Fastening Guidelines						
Thickness		LTTR Value	RSI	Pallet Quantity	FM Rating	Field Fasteners per 4x8 Board
in	mm					
0.625	15.9	2.5	0.44	36	1-75	12
					1-90	16

Technical Schedule		
Compressive Strength	Grade 1	ASTM D1621
Dimensional Stability	T<4.0% L&W<1.0%	ASTM D2126
Water Absorption	<4.0%	ASTM C209
Vapor Transmission	<1.5 perms	ASTM E96
Flame Spread	<75	ASTM E84
Smoke Developed	<450	ASTM E84
Tensile Strength	>2000 psf	ASTM D1623

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