

ElastoTherm™

HD Coverboard FR

High Density Roof Coverboard Insulation



Product Information:

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

- 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).

Approvals:

- UL 790 Roofing Systems Classification
- UL Class A over combustible decks with UL Classified Membranes
- FM 4450/4470 (refer to RoofNav for specific details)



Flat Panels:

- Sizes:
 - 4 ft X 4 ft
 - 4 ft X 8 ft
 - Thickness: 0.5 inches

Notes:

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

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Table 1 - Thermal Data

Thickness		LTTR Value	RSI	Pieces/Package
in	mm			
0.625	15.9	2.5	0.44	36

Table 2 - Fastening Guidelines*

Thickness	FM Rating	Field Fasteners per 4X8 Board
0.625"	1-75	12
	1-90	16

* Consult the Bitec technical department, local building codes, contract documents, FM Global, FBC, Miami-Dade County and any other referenced sources for full fastening details.

Physical Properties

Property	Result	ASTM Test
Compressive Strength, psi	Grade 1	D1621
Dimensional Stability, %	T<4.0 L&W<1.0	D2126
Water Absorbtion, %	<4.0	C209
Vapor Transmission, perm	<1.5	E96
Flame Spread	<75	E84
Smoke Developed	<450	E84
Tensile Strength, psf	>2000	D1623

Storage:

- Store panels flat and in a horizontal position to prevent damage.
- Store elevated (at least 3 inches) and covered to protect from environmental damage.
- Do not use wet or damaged panels.

Installation:

- Panels must be kept dry from storage through installation. Install only as much as can be covered with roofing that day.
- When using multiple layers of insulation, joints should be staggered a minimum of 6 inches to prevent thermal bridging.
- Panels should be abutted together and adjacent panels should have their joints staggered.
- Each ElastoTherm HD Coverboard should be secured over either an existing roof system or base layers of insulation.