



FIRESTONE RESISTA™ POLYISO INSULATION BOARD

FIRE, WIND AND ENVIRONMENTAL PROTECTION

When considering insulation, organic faced ISO board is a popular choice. Firestone Building Products offers **RESISTA Polyiso Insulation Board** as an economical choice that provides excellent fire, wind and environmental protection. Like all Firestone insulation boards, RESISTA Polyiso is a smart choice to add an enhanced degree of mold and fire resistance and insulation to any roofing system.



BENEFITS

- Environmentally friendly (*contains no hydrochlorofluorocarbons*)
- Mold-resistant per ASTM D3273
- Offers more roofing system choices
- Provides fire resistance
- Provides valuable energy savings
- Helps sustain the environment
- Enhanced FM codes utilizing reduced fastening with RESISTA Polyiso and ISOGARD™ HD Board
- LEED® credits for energy optimizations/material resources
- UL Class A over combustible decks (*see chart on next page*)
- May reduce installation time and labor costs
- Easy manipulation and placement
- Easy to cut, handle and apply for quick fabrication around roofing elements such as drains or other penetrations
- Enhanced wind uplift performance compared to standard glass reinforced mat facer

CRITICAL AREAS

R-Value

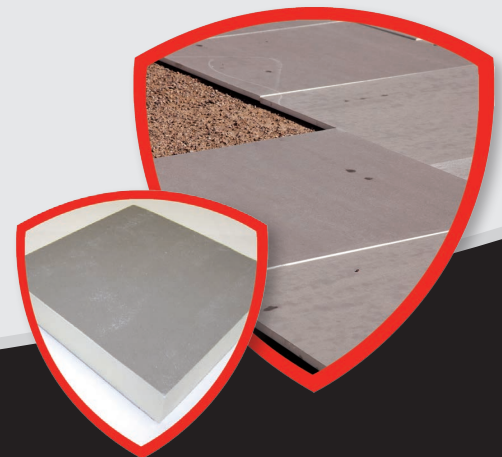
Proprietary ISOGARD™ foam technology provides RESISTA Polyiso with an impressive insulating value for its thickness. This can provide significant energy savings to structures, even those with existing under-deck insulation.

Insulation Thickness (Inches)	LTTR* R-Value
1.00	5.7
1.50	8.6
2.00	11.4
2.50	14.4
3.00	17.4
3.50	20.5
4.00	23.6

*Long Term Thermal Resistance (LTTR) values provide a 15-year time-weighted average in accordance with CAN/ULC-S770 and ASTM C1289-13e1

Mold Resistance

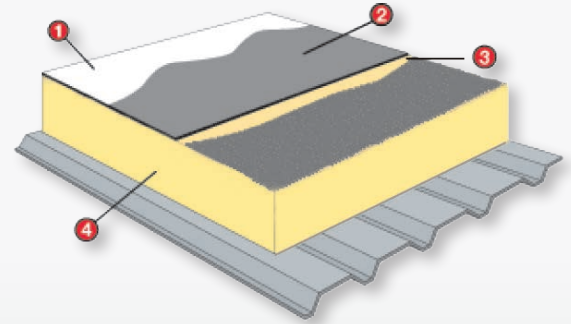
RESISTA Insulation Board meets ASTM D3273 standards for mold resistance. It is double coated on both sides with a unique non-organic facing material, providing it with exceptional mold inhibiting properties.



RE-WRITING THE SPECS ON POLYISO INSULATION

GENERAL PROPERTIES

- ISOGARD foam technology (*HCFC-free closed cell polyisocyanurate*)
- Manufactured with a double-coated non-organic facer
- Provides mold and fire resistance
- Compatible with all Firestone membranes—fully adhered and mechanically attached single-ply, cold-applied and self-adhered modified bitumen membranes
- Compressive strength of 20 psi
- Contains recycled content
- Meets ASTM Type II Class 2
- Higher facer adhesion (*Rolling Load Emulator*)



- 1 Firestone AcryliTop™ Coating
- 2 Firestone RubberGard™ EPDM Platinum™ Membrane
- 3 Firestone Approved Bonding Adhesive
- 4 RESISTA Polyiso Insulation Board

Fire Resistance

RESISTA Polyiso Insulation Board achieves a UL Class A rating for fire resistance when used over combustible decks, and is compatible with single-ply, modified bitumen and metal roof systems. Other insulation boards may require up to a thickness of 3.1" to achieve the same approvals. RESISTA board can also provide increased slope limitations for existing Firestone Roofing System Classifications.

UL Rating	Roof Slope	Deck Type	Insulation	Membrane
Class A	Max. ½":12"	Combustible	Min. 1" RESISTA	UltraPly™ TPO Mechanically Attached
Class A	Max. ¼":12"	Combustible	Min. 1" RESISTA	UltraPly TPO Fully Adhered
Class A	Max. ¼":12"	Non-Combustible	Min. 1" RESISTA	UltraPly TPO Fully Adhered
Class A	Max. ¼":12"	Non-Combustible	Min. 1" RESISTA	UltraPly TPO Mechanically Attached
Class B	Max. 1½":12"	Combustible	Min. 1" RESISTA	UltraPly TPO Mechanically Attached
Class B	Max 1":12"	Non-Combustible	Min. 1" RESISTA	UltraPly TPO Fully Adhered
Class B	Max. ¼":12"	Non-Combustible	Min. 1" RESISTA	UltraPly TPO Fully Adhered
Class A	Max. ½":12"	Non-Combustible	Min. 1" RESISTA	FR EPDM, MAX, EcoWhite™ & LS-FR Fully Adhered or Mechanically Attached
Class A	Max. 2½":12"	Non-Combustible	Min. 1" RESISTA	Max FR Fully Adhered or Mechanically Attached
Class A	Max. ½":12"	Combustible	Min. 1" RESISTA	Standard EPDM, FR EPDM, MAX, EcoWhite & LS-FR Fully Adhered or Mechanically Attached
Class A	Max. ¼":12"	Non-Combustible	Min. 1" RESISTA	SBS FR or APP FR Cold Adhesively Applied
Class B	Max. ¼":12"	Non-Combustible	Min. 1" RESISTA	TPO XR Ribbon Attachment

UL Rating	Roof Slope	Deck Type	Insulation	Membrane
Class A	Max. ½":12"	Combustible	Min. 1" RESISTA	TPO XR Ribbon Attachment
Class A	Unlimited	Non-Combustible	Min. 1" RESISTA	UNA-CLAD™ Warranted Metal Roofing Systems

Specs & Details

- **Panel availability**
 - » 4' x 4' 4' x 8' Tapered
- **Wind-uplift performance**
 - » Able to achieve all existing Factory Mutual Ratings as standard ISO 95+™ GL insulation
 - » Provides reduced fastening for specific assemblies
 - » Provides increased wind ratings with insulation adhesive over concrete decks
- **System compatibilities**
 - » Fully adhered single-ply
 - » Mechanically attached single-ply
 - » SBS/APP (*cold-applied and self-adhered*)
- **LEED® Benefits Energy and Atmosphere Credits**
 - » EA Pre-requisite 2: Minimum Energy Performance
 - » EA Credit 1: Optimize Energy Performance (1-19 points)
- **Material & Resources Credits**
 - » MR Credit 2: Construction Waste Management (1 – 2 points)
 - » MR Credit 3: Material Re-Use (1-2 points)
 - » MR Credit 4: Recycled Content (1-2 points)
 - » MR Credit 5: Regional Material (1-2 points)

* This chart is a brief synopsis of approvals utilizing Firestone RESISTA Insulation Board.
 • Please refer to the Technical Database of www.firestonebpc.com for specific requirements and additional approvals.
 • Fully adhered assemblies may use BA-2004T, Water Based, Single Ply LVOC, or UltraPly TPO Bonding adhesive.



For more information, contact your local Sales Rep or visit FIRESTONEBPCO.COM.

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