



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

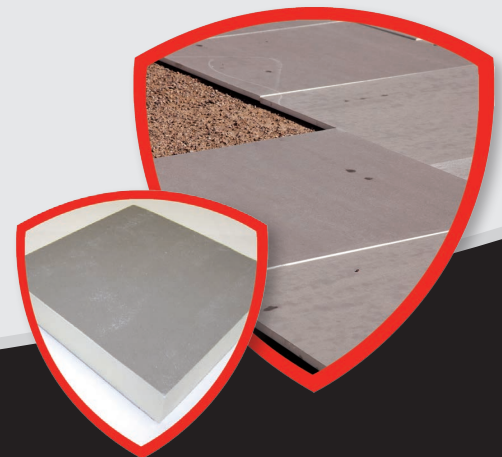
Proprietary ISOGARD™ foam technology provides RESISTA Polyiso with an impressive insulating value for its thickness. This can provide significant energy savings to structures, even those with existing under-deck insulation.

| 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

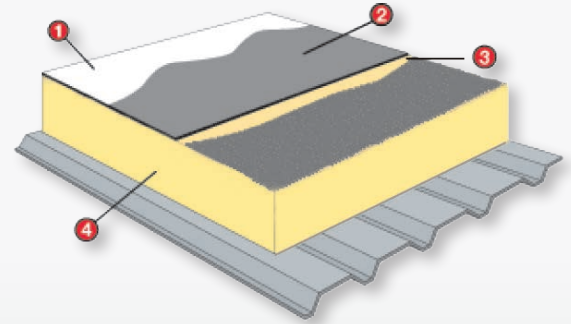
RESISTA Insulation Board meets ASTM D3273 standards for mold resistance. It is double coated on both sides with a unique non-organic facing material, providing it with exceptional mold inhibiting properties.



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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