

DuPont™ Thermax™ Brand Insulation

Distinguished among the competition



DuPont™ Thermax™ outperforms the industry's other polyisocyanurate ("polyiso") insulations. With 16 patents on its unique performance and innovation since 1975, Thermax™ surpasses industry competition for fire resistance^[1], dimensional stability^[2], flashing options, facer variety, R-Value^[3], system warranty, and more.

Glass Fiber Reinforced Core

DuPont™ insulations have expanded fiberglass throughout the foam core, not just in one layer. This makes it less friable, gives it better fire resistance since it will char before burning, and results in superior dimensional stability. Because of the even

dispersion of glass fibers throughout the foam core, DuPont™ Thermax™ will perform better in "kerf cut" (curved) applications, allowing for maximum design flexibility.

Fluid Applied Flashing / Joint Treatment

DuPont™ LiquidArmor™ Flashing and Sealant, available in acrylic sprayable formula (CM) as well as trowel-able silicone formulation (LT), makes sealing the board joints fast than with tape, and eliminates issues that often accompany tape application (gaps, wrinkles, etc.).

Superior R-Value

From room temperature to the lower temperature range of 20°F, DuPont™ Thermax™ Brand Insulation gains R-Value at lower mean temperatures, unlike other types of polyisocyanurate insulations that have been reported to lose significant R-Value in third party studies (see Figure 1 below). See Tech Solution 538.0 for more information.

Choose the Best DuPont™ Thermax™ Product for Your Project

DuPont™ Thermax™ Brand insulations have a wide variety of facers to meet the needs of your diverse range of projects. Choose products for interior / exterior, exposed / covered, robust / economic applications.

DuPont™ Thermax™ XARMOR™ CI 4 mil gray facer

- Exterior continuous insulation
- Used in Thermax™ Wall System

DuPont™ Thermax™ CI 1.25 mil blue facer

- Exterior continuous insulation
- Used in DuPont™ Thermax™ Wall System

DuPont™ Thermax™ Sheathing 1 mil smooth facer

- Multi-purpose

DuPont™ Thermax™ Heavy Duty 4 mil white facer

- Interior insulation & finish

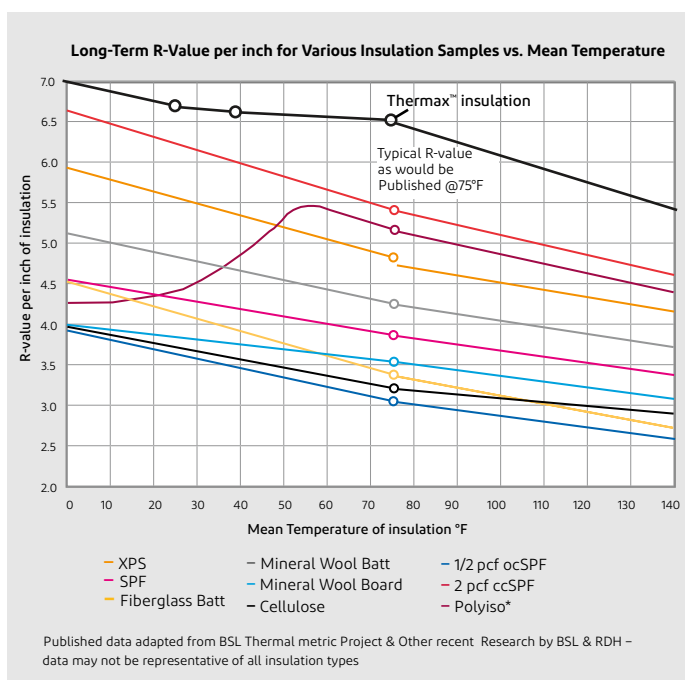
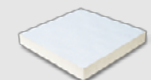
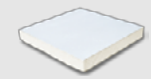
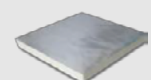
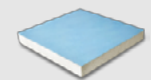
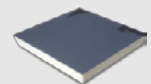


Figure 1. Common representation of Selected Insulation R-values as a function of Mean Temperature with Thermax™ Brand Insulation properties added.

System Warranty

Projects using the DuPont™ Thermax™ Brand Wall System can be registered for our System Warranty. This market leading warranty reduces your risk by covering the elements: thermal performance, water resistance, and UV exposure. Warranties are unique to each project, listing project owner, address, date of warranty issuance, and distinct warranty number.

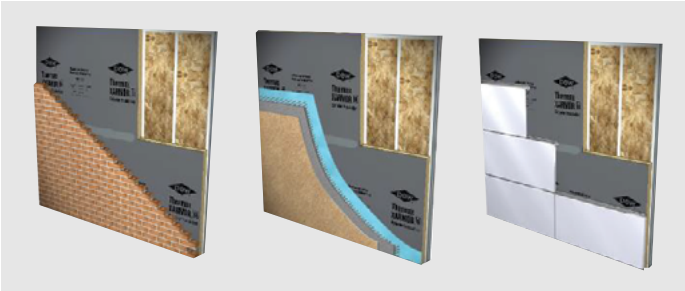
¹DuPont™ Thermax™ is the only polyiso with FM 4880 approval allowing Thermax™ to remain exposed to the interior without a thermal barrier for walls applications for Factory Mutual Insured buildings. Dupont™ Thermax™ has also passed UL 1715 for walls AND ceilings without thermal barrier..

²DuPont™ Thermax™ has 20x better dimensional stability: 0.1% movement per length vs. 2% standard acceptance per ASTM D2126.

³DuPont™ Thermax™ outperforms tested R-values of typical generic polyisocyanurate foam down to 20°F per ASTM C518.

NFPA 285 Approved Assemblies

Today, DuPont strives to make it easier for designers to insulate walls with continuous insulation to meet IBC and ASHRAE for energy efficient assemblies and to pass fire tests like ASTM E84 and NFPA 285 per IBC Chapter 26. There are many NFPA 285 approved assemblies using DuPont™ Thermax™ insulation, including use with MCM, Metal Panels, and High Pressure Laminate veneers. Try out our Wall Builder tool to begin your design: building.dupont.com



Can other polyisos compare?

| | Expanded Fiberglass Throughout Foam Core | Class A (ASTM E84) for All Sizes & Facers | Widest Range of NFPA 285 Assemblies | Only Polyiso with Corner Burn Test for BOTH Wall and Ceiling | Higher R-Value | Fluid Applied Joint Sealer | Widest Variety of Facers | Best in Class System Warranty | Better Dimensional Stability |
|------------------|--|---|-------------------------------------|--|----------------|----------------------------|--------------------------|-------------------------------|------------------------------|
| DuPont™ Thermax™ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



For more information visit building.dupont.com or call 1-866-583-2583

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