THERMAX™ Brand Insulation
Distinguished among the competition

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
THERMAX 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, THERMAX will perform better in “kerf cut” (curved) applications, allowing for maximum design flexibility.

Fluid Applied Flashing / Joint Treatment
LIQUIDARMOR™ fluid applied flashing, available in acrylic sprayable formula (-CM) as well as trowel-able silicone formulation (-LT), makes sealing board joints faster 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, 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 THERMAX for Your Project
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.

THERMAX XArmor CI
4 mil gray facer
Exterior continuous insulation
Used in THERMAX Wall System

THERMAX CI
1.25 mil blue facer
Exterior continuous insulation
Used in THERMAX Wall System

THERMAX Sheathing
1 mil smooth facer
Multi-purpose

THERMAX Heavy Duty
4 mil white facer
Interior insulation & finish

THERMAX Light Duty
1.25 mil white facer
Interior insulation & finish
System Warranty
Projects using the THERMAX 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.

NFPA 285 Approved Assemblies
Today, Dow 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 THERMAX insulation, including use with MCM, Metal Panels, and High Pressure Laminate veneers. Try our Wall Builder tool to begin your design: building.dow.com/en/wall-builder

1THERMAX is the only polyiso with FM 4880 approval in the corner burn test that allows you to leave THERMAX exposed to the interior without thermal barrier in both ceiling and wall application for Factory Mutual Insured Buildings. THERMAX has also passed UL 1715 and NFPA 286 for use on interior walls AND ceiling without thermal barrier. 2THERMAX has 20x better dimensional stability: 0.1% movement per length vs. 2% standard acceptance per ASTM D2126. 3THERMAX outperforms tested R-values of typical generic polyisocyanurate foam down to 20°F per ASTM C518.

Can other polyisos compare?