

WALLcontrol™ POLYISO FOIL-FACED INSULATION

Commercial Product Data Sheet



Siplast® WALLcontrol™ Polyiso Foil-Faced Insulation board combines high R-value, Class A foam core, and durable aluminum facers in a high-performance rigid wall insulation. It is faced with a reflective reinforced foil facer on one side and a white reinforced acrylic-coated aluminum facer on the other. WALLcontrol Polyiso is designed to be used as exterior continuous wall insulation.

USES: CONTINUOUS WALL INSULATION

Certifications & Evaluations



Standards	ASTM C1289 Type I Class 1 ASTM C1289 Type I Class 2
Panel Dimensions	4 ft x 8 ft (1.22 m x 2.43 m)* 4 ft x 9 ft (1.22 m x 2.74 m)
Thickness	1 in - 4 in (2.54 cm - 10.16 cm)

*Also available in panels scored at 16 in and 24 in.

Energy Efficiency & Sustainability

As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

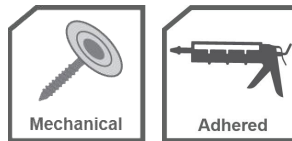
The blowing agents used to produce the polyiso foam core does not contain any CFCs, HCFCs, or HFCs. WALLcontrol™ Polyiso has zero Ozone Depletion Potential (ODP) and negligible Global Warming Potential (GWP).

Recycled Content: 10.4% - 13.8%

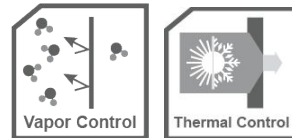
PRODUCT INFORMATION

Application and Features

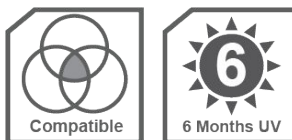
Refer to the Siplast WALLcontrol Installation Guide for detailed application information of Siplast WALLcontrol Polyiso Foil-Faced Insulation Board.



Control Category



Features



Storage, Handling, and Packaging

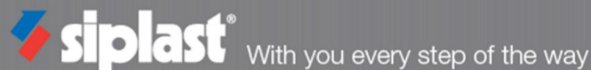
Properly covered bundles can accommodate outdoor storage, but care must be taken to protect the material from wind due to the light weight of the panels. Outdoor storage is not recommended without proper tie-down or other secured systems. Bundles must not be stored where standing water could float the material or cause bundles to tip over.

Primary Packaging: Bundles

Piece Per Bundle: Varies based on product size and thickness. Refer to Siplast WALLcontrol Polyiso Installer's Guide for bundle piece counts and bundle weights.

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Physical and Mechanical Properties



Property (as Manufactured)		Test Method	Min. Value	Typical Values
AIR CONTROL	Assembly Air Permeance	ASTM E2357	< 0.040 cfm/sf	Pass
WATER CONTROL	Water Absorption	ASTM C209	< 1% by volume	< 0.5% by volume
VAPOR CONTROL	Water Vapor Permeability	ASTM E96	< 0.1 Perm	Class I < 0.1 Perm
FIRE CONTROL	Flame Spread	ASTM E84	<25	Pass
	Smoke Development	ASTM E84	<450	Pass
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
	Potential Heat	NFPA 259	12,000 Btu/lb	Pass
PHYSICAL PROPERTIES	Compressive Strength	ASTM D1621	25 psi	Pass
	Dimensional Stability	ASTM D2126	< 1.5% linear change	< 1% linear change
	Service Temperatures	-	-	-100°F - 250°F (-73.3°C - 121.2°C)
	Auto-Ignition Temperature	ASTM D1929	800°F	Pass

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

TYPICAL PHYSICAL & MECHANICAL PROPERTY DATA

Nominal Board Thickness	R-Value	Nominal Board Thickness	R-Value
1.0 in (25 mm)	6.5	2.5 in (64 mm)	16.0
1.2 in (31 mm)	7.5	3.0 in (76 mm)	19.7
1.5 in (38 mm)	9.8	3.1 in (79 mm)	20.2
1.6 in (41 mm)	10.5	3.5 in (89 mm)	22.2
2.0 in (51 mm)	13.1	4.0 in (102 mm)	26.0

WARRANTY INFORMATION

Siplast WALLcontrol products are backed by a limited product warranty. Visit siplast.com to see current published sample warranties, contact your local Siplast Representative, or call toll-free at (800) 922-8800 for more information.