



# WALLcontrol™ POLYISO GLASS-FACED INSULATION

## Commercial Product Data Sheet

Siplast® WALLcontrol™ Polyiso Glass-Faced Insulation board combines high R-value, Class A foam core, and durable coated glass facers in a high-performance rigid wall insulation. One side of the product is dark gray for use in open joint rainscreen applications. WALLcontrol Polyiso is designed to be used as exterior continuous wall insulation.

### USES: WALL CONTINUOUS INSULATION

#### Certifications & Evaluations



Standards	ASTM C1289 Type II 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

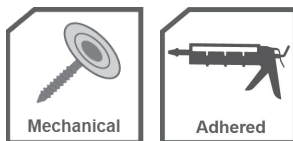
As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

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).

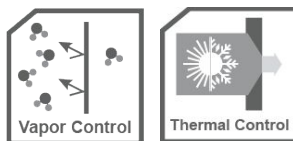
### PRODUCT INFORMATION

#### Application and Features

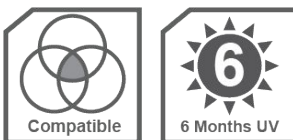
Refer to the Siplast WALLcontrol Installation Guide for detailed application information of Siplast WALLcontrol Polyiso Glass-Faced Insulation Board.



#### Control Category



#### Features



#### Storage, Handling, and Packaging

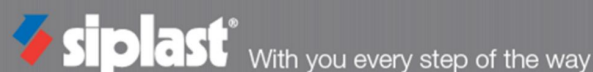
Properly covered bundles can accommodate outdoor storage, but care must be taken to protect the material from wind due to the light weight of the panels. Outdoor storage is not recommended without proper tie-down or other secured systems. Bundles must not be stored where standing water could float the 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 Installers 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	1.2 Perms @ 1 in thickness	Pass
FIRE CONTROL	Flame Spread	ASTM E84	<25	Pass
	Smoke Development	ASTM E84	<450	Pass
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Compressive Strength	ASTM D1621	25 psi	Pass
	Dimensional Stability	ASTM D2126	< 1.5% linear change	< 1% linear change
	Microbial Resistance	UL 2824	Pass	Pass
	Service Temperatures	–	–	-100°F - 250°F (-73.3°C - 121.2°C)
	Mold Growth Resistance	UL 2824	Pass	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	3.0 in (76 mm)	19.7
1.5 in (38 mm)	9.8	3.5 in (89 mm)	22.2
2.0 in (51 mm)	13.1	4.0 in (76 mm)	25.0
2.5 in (64 mm)	15.3	–	–

WARRANTY INFORMATION
Siplast WALLcontrol products are backed by a limited product warranty. Visit <a href="http://siplast.com">siplast.com</a> to see current published sample warranties, contact your local Siplast Representative, or call toll-free at (800) 922-8800 for more information.