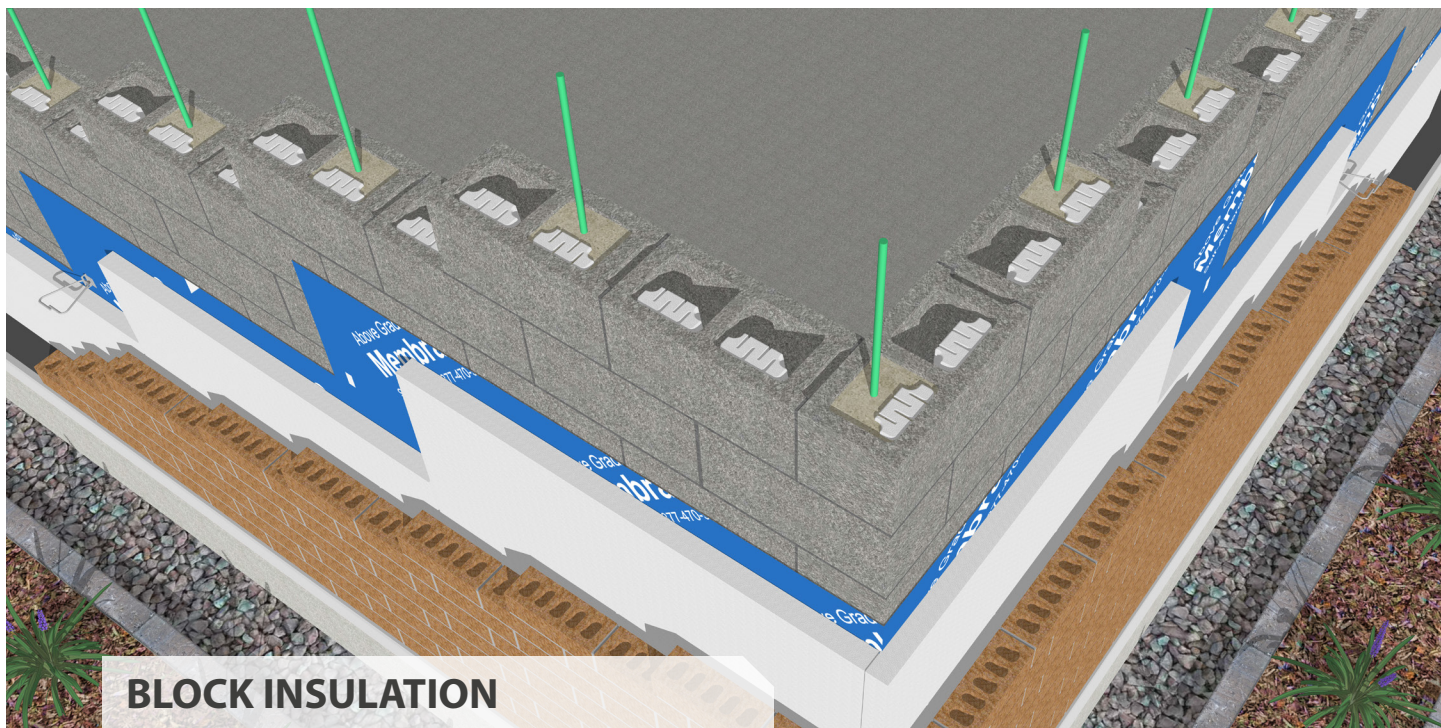
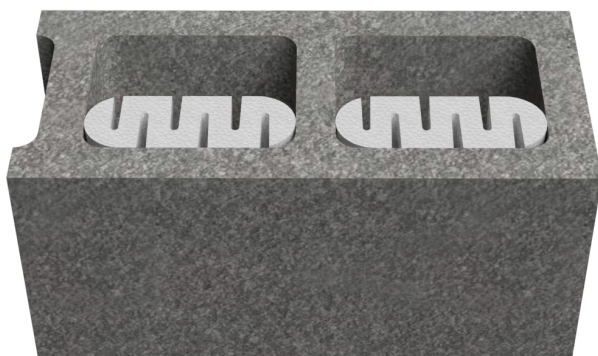


ICON® Block Insulation



ICON® Block Insulation inserts are manufactured using Type I/ Type 1 closed cell, Expanded Polystyrene (EPS) designed to fit into standard two (2) core masonry units to increase thermal resistance, and improve sound resistance.

Inserts are preinstalled at the block plants prior to delivery to the job site and eliminate the need for on-site labor to insulate the masonry units. They allow for space within the cores for the escape of moisture. This space also allows for easy installation of utilities within the wall.



Alleguard Advantage

- Fits into the cores of all standard masonry units.
- The inserts offer stable, long term thermal resistance.
- Increased thermal resistance in lower temperatures.
- Inserts are manufactured with no off-gassing and does not contain HFCs, CFCs, or HCFCs
- Does not contain organic materials, preventing rot and mold growth.

Physical Properties Table

	Standard	Units	ICON® Insert
Specification for Rigid Polystyrene Insulation	ASTM C578		Type I
Thermal Resistance ¹	ASTM C518 @ 75°F (24°C)	F.ft ² .hr/Btu (m ² K/W)	3.9 (0.69)
Compressive Strength	ASTM D1621 @ 10% Strain	psi (kPa)	12 (83)
Water Absorption (Max.)	ASTM D2842	%	4.0
Water Vapor Permeance (Max.) ¹	ASTM E96	US perms (ng/Pa.s.m ²)	5.00 (287)
Flexural Strength (Min.)	ASTM C203	psi (kPa)	25 (173)
Dimensional Stability (Max.)	ASTM D2126	%	1.5
Limiting Oxygen Index (Min.)	ASTM D2863	%	24
Density	ASTM D1622	lb/ft ³ (kg/m ³)	1.05 (17)
Surface Burning Characteristics	ASTM E84/UL-723 ²	Flame Spread Index (FSI) Smoke Developed Index (SDI)	≤25 ≤450
¹ Measurement per 1" (25mm) of thickness ² For thicknesses up to 4" or 100mm			

Availability

The design of the ICON® Block Insulation inserts allow it to compress so that it will fit the cores of all masonry units with just one size.

Inserts are sold only to concrete block manufacturers. Please contact your local territory manager for more information.



ICON® Block Insulation inserts do not require any additional preparatory work or installation. Inserts are placed in masonry units prior to delivery to the job site. Inserts do not affect the handling of blocks so no added labor is involved.

The maximum continuous operating temperature for the insert is 158°F (70°C).