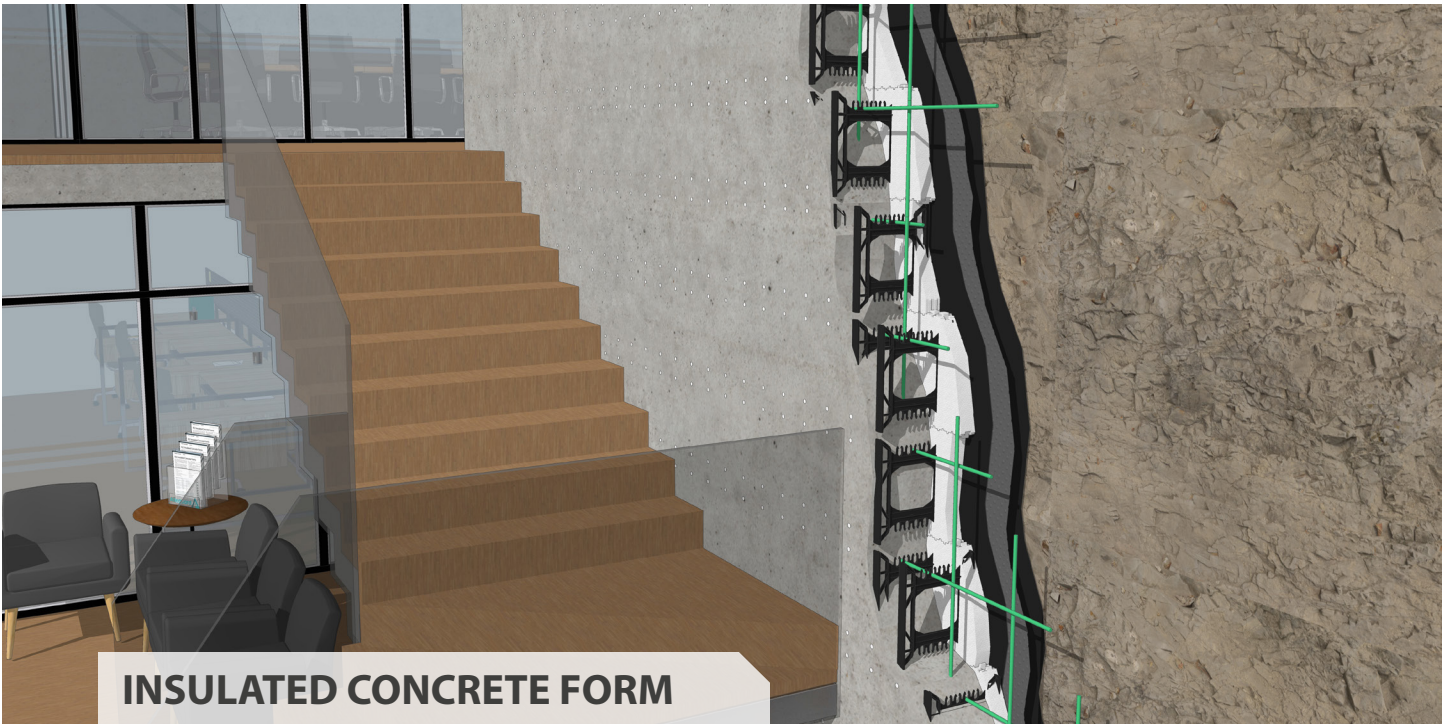


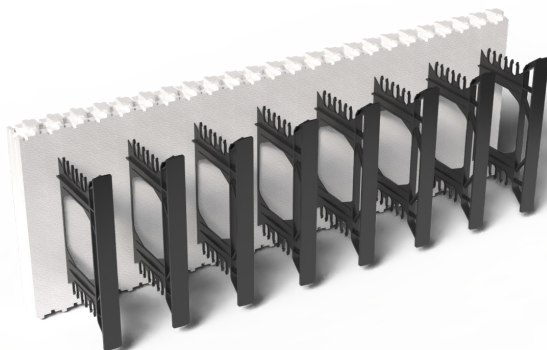
# Amvic™ One



## INSULATED CONCRETE FORM

Amvic™ One is a one-sided ICF manufactured using Type II/Type 2, closed cell, Expanded Polystyrene (EPS) on one side of the panel with polypropylene webs placed at 6" (152mm) on center for Amvic™ One Standard Block and 8" (203mm) on center for Plus Amvic™ One Plus Blocks.

Amvic™ One allows for an uninterrupted foam-to-concrete interface. When stacked together, an Amvic™ One wall system can be found suitable for commercial and specialty applications, including parking-free above-grade exterior walls, elevator shafts, and facilities with restricted high-heat spaces.



## Alleguard Advantage

- Webs have built-in clips which can hold two courses of reinforcing steel, greatly reducing the need for additional tying.
- Amvic™ One blocks able to securely interlock into regular Amvic™ ICF blocks where applicable.
- Withstands internal vibration.
- Manufactured with recycled materials.
- Stable long-term thermal resistance.
- Does not promote the growth of mold and mildew.
- No off-gassing and does not contain HFCs, CFCs, or HCFCs.
- Generates less than 1% construction waste.

**Applications**

- Below-grade and above-grade walls
- Pools
- Stairwells
- Additions to existing buildings
- Multi-story residential and commercial construction
- Elevator shafts

**Amvic™ One Standard Form**

Standard forms come with a 2½" (63.5mm) EPS panel and exposed webbing that allows the concrete core to span 6⅞" (175mm), 8⅞" (225mm), and 10⅞" (276mm) from the interior face of the EPS panel. Standard One-Sided forms can stack above Amvic™ Standard 4" (102mm), 6" (152mm), and 8" (203mm) forms.

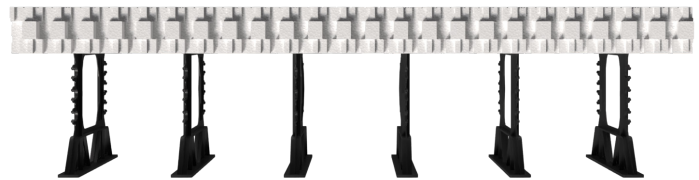


**Availability**

Amvic™ One-Sided ICF is available for all available Amvic™ Standard and Plus block sizes. Quantities for unfaced inside corners and/or unfaced outside corners are required, where applicable. Amvic™ One-Sided ICFs are made to order. Please contact your local territory manager for more information.

**Amvic™ One Plus Form**

Plus forms come with a ¾" (83mm) EPS panel and exposed webbing that allows the concrete core to span 9⅞" (244mm) and 11⅞" (295mm) from the interior face of the EPS panel. Plus One-Sided forms can stack above Amvic™ Plus 6" (152mm) and 8" (203mm) forms.



**Physical Properties Table** as per ASTM C578 and CAN/ULC S701.1

		Standard Block		Plus Block	
Density	ASTM D1622	1.5 lb/ft <sup>3</sup> (24 kg/m <sup>3</sup> )		1.5 lb/ft <sup>3</sup> (24 kg/m <sup>3</sup> )	
Compressive Strength	ASTM D1621	19.80 psi (136.5 kPa)		20.09 psi (138.5.5 kPa)	
Flexural Strength	ASTM C203	42.57 psi (293.5 kPa)		50.50 psi (348.2 kPa)	
Thermal Resistance <sup>1</sup>	ASTM C518	4.0 F.ft <sup>2</sup> .hr/Btu (0.70 m <sup>2</sup> K/W)		4.0 F.ft <sup>2</sup> .hr/Btu (0.70 m <sup>2</sup> K/W)	
Water Vapor Permeance <sup>2</sup>	ASTM E96	0.66 US perm (38 ng/Pa.s.m <sup>2</sup> )		0.69 US perm (39 ng/Pa.s.m <sup>2</sup> )	
Water Absorption	ASTM C2842	0.93%		0.93%	
	ASTM C272	2.95%		2.95%	
Dimensional Stability	ASTM D2126	0.52%		0.52%	
Limiting Oxygen Index	ASTM D2863	>24.0%		>24.0%	
Trueness and Squareness (Maximum)	ASTM C550	Edge:	0.03125 in/ft	Edge:	0.0197 in/ft
		Face:	0.03125 in/ft	Face:	0.0197 in/ft
		Length and Width:	0.06250 in/ft	Length and Width:	0.0295 in/ft
Surface Burning Characteristics	ASTM E84	Flame Spread:	25 or less	Flame Spread:	25 or less
		Smoke Developed:	450 or less	Smoke Developed:	450 or less
	CAN/ULC-S102	Flame Spread:	250 or less	Flame Spread:	250 or less
		Smoke Developed:	500 or more	Smoke Developed:	500 or more

<sup>1</sup> Measurement per 1" (25mm) of thickness

<sup>2</sup> Test result at actual product thickness