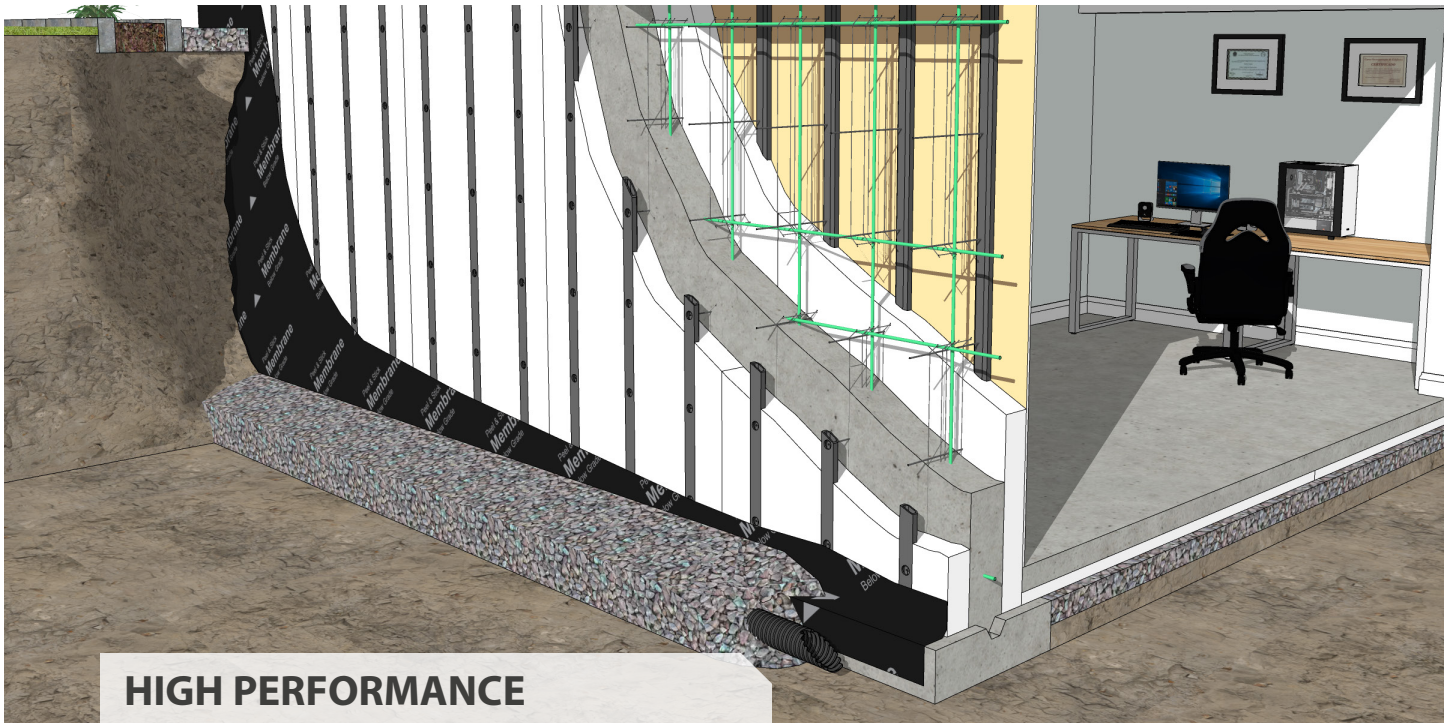


Vertical Insulated Concrete Forms

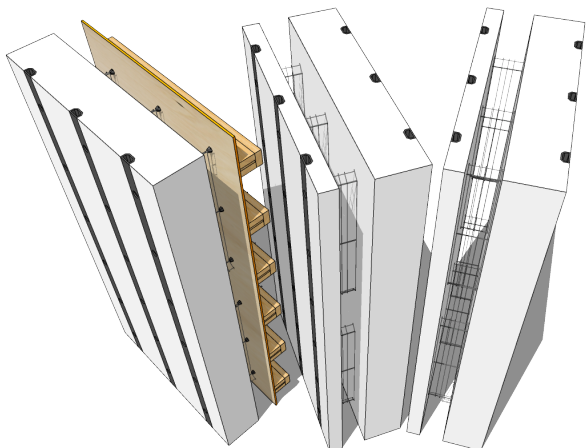


HIGH PERFORMANCE

Amvic Insulated Concrete Forms (ICF) are stay in place formwork manufactured using Type 3/Type IX closed cell, Expanded Polystyrene (EPS) panels connected by metal webs placed at 16" (406mm) on center.

The forms offer a 6-in-1 system that provides structure, insulation, vapor barrier, air barrier, sound attenuation and attachments for interior finishes and exterior cladding.

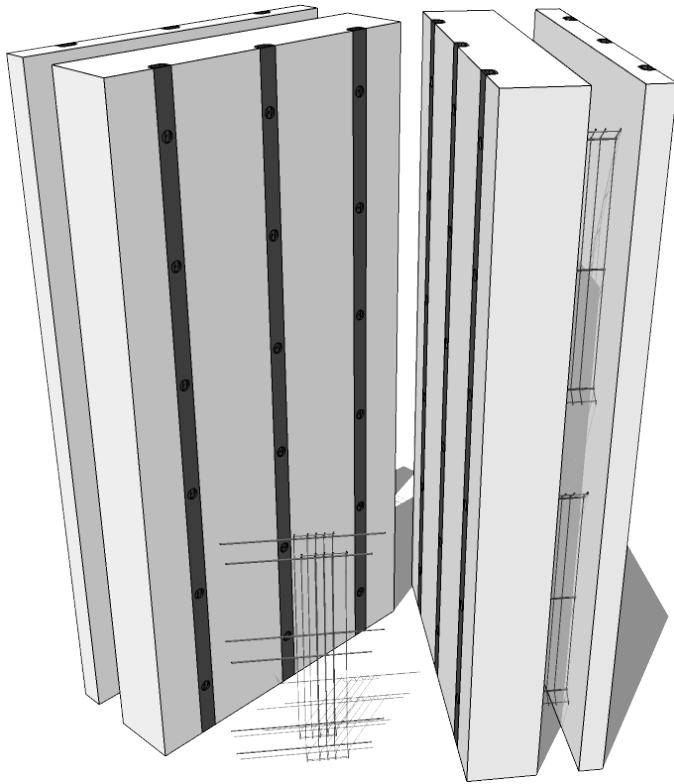
Amvic Vertical ICF is a highly versatile system that can be configured with any core size, virtually any foam panel thickness along with one sided applications as well. This is an ideal solution for highest performing buildings that aim to meet Passive House or net zero standards.



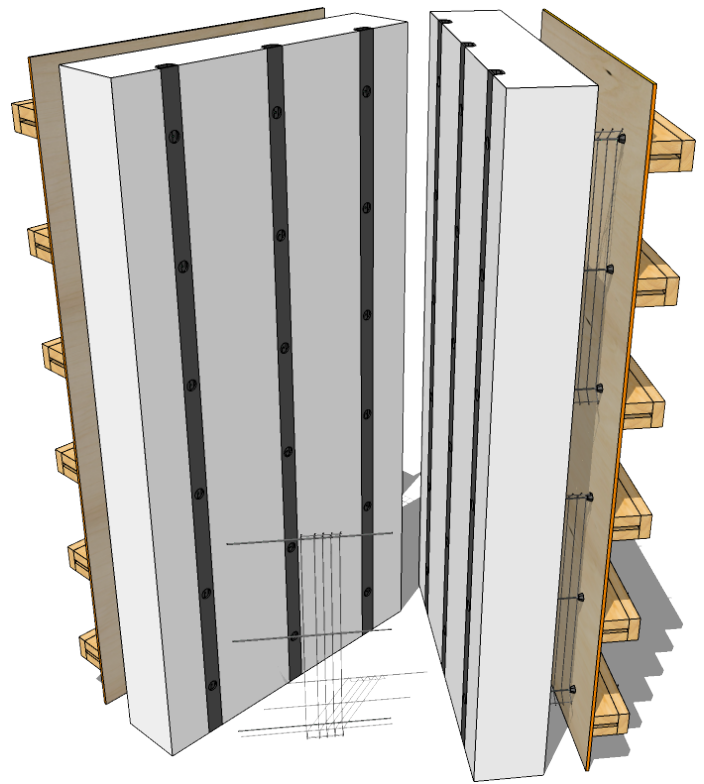
Amvic Advantage

- Comes in disassembled panel configuration helping reduce shipping costs.
- Metal webs have built-in rebar holders for both horizontal and vertical rebar.
- EPS foam offers exceptional Long-Term Thermal Resistance (LTTR) and increased thermal resistance in lower temperatures.
- Foam panels are attached to the webs with plastic furring strips also used for finish attachment.
- Does not contain HFCs, CFCs or HCFCs and does not off-gas contributing to improved Indoor Air Quality (IAQ).
- Does not promote growth of mold and mildew.
- The availability of larger panels help improve job site efficiency and reduce labor costs.

Double Sided ICF



One Sided ICF



Physical Properties Table

Specification for Rigid Polystyrene Insulation	CAN/ULC-S701 ASTM C578	Type 3 Type IX
Thermal Resistance	ASTM C518 @ 75°F (24°C)	4.4 F.ft ² .hr/Btu (0.77 m ² K/W)
Compressive Strength	ASTM D1621	30 psi (207kPa)
Water Absorption	ASTM D2842	1.40%
Water Vapor Permeance (Max.)	ASTM E96	2.27 US perm (130 ng/Pa.s.m ²)
Flexural Strength	ASTM C203	55.0 psi (379 kPa)
Dimensional Stability (Max.)	ASTM D2126	1.50%
Limiting Oxygen Index	ASTM D2863	>24.0%
Density		2.0 lb/ft ³ (32 kg/m ³)
Surface Burning Characteristics	ASTM E84 ¹	Flame Spread Index (FSI) ≤75 Smoke Developed Index (SDI) ≤450
	CAN/ULC-S102 ²	Flame Spread Index (FSI) ≤210 Smoke Developed Index (SDI) ≥500

¹ For thicknesses up to 4"
² For thicknesses up to 100mm

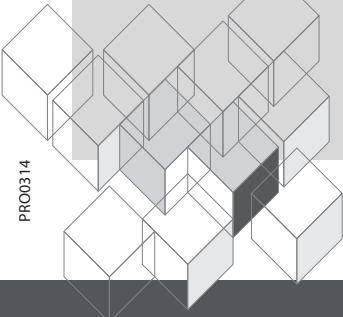
Availability

Amvic Vertical ICF is available in 4x8' (1.2x2.4m) panels. Foam panels can be on both sides or only on one side with thicknesses ranging from 5-12" (127-305mm).

Applications

- Below grade foundation walls
- Above grade walls
- Frost walls
- Agricultural buildings
- Elevator shafts

EPS exposure to ultra violet (UV) radiation is limited to a thin layer causing slight discoloration and surface dusting. The material underneath remains unaffected maintaining its properties. Prolonged exposure may cause minimal reduction in thickness. To avoid membrane adhesion issues, apply membrane right after board installation or remove the UV affected material by brushing/rasping the surface to expose unaffected EPS (avoid hydrocarbons and petroleum based products).



PRO0314