

AMVIC+
building outside the box

 **amvic** building system

Product Catalog



Our Products
stronger every day

The Amvic ICF Difference

Unique Features

Amvic is the most user-friendly ICF on the market due to its innovative design which increases speed of construction, reduces labor costs and provides the highest level of performance during and after installation.

The powerful combination of the patented, reversible FormLock™ interlock, EPS composition, innovative web design and web spacing result in:

- Nominal taping, tying or gluing during installation.
- Less than 1% waste vs. up to 6% for most competitors.
- Ability to withstand internal vibration, ensuring a structurally superior wall.

In addition, Amvic is the strongest form on the market as proven by the Canadian Construction Material Center (CCMC) Forming Capacity Strength Test (Technical Guide 03131) at 865 lbs./ft².

Benefits

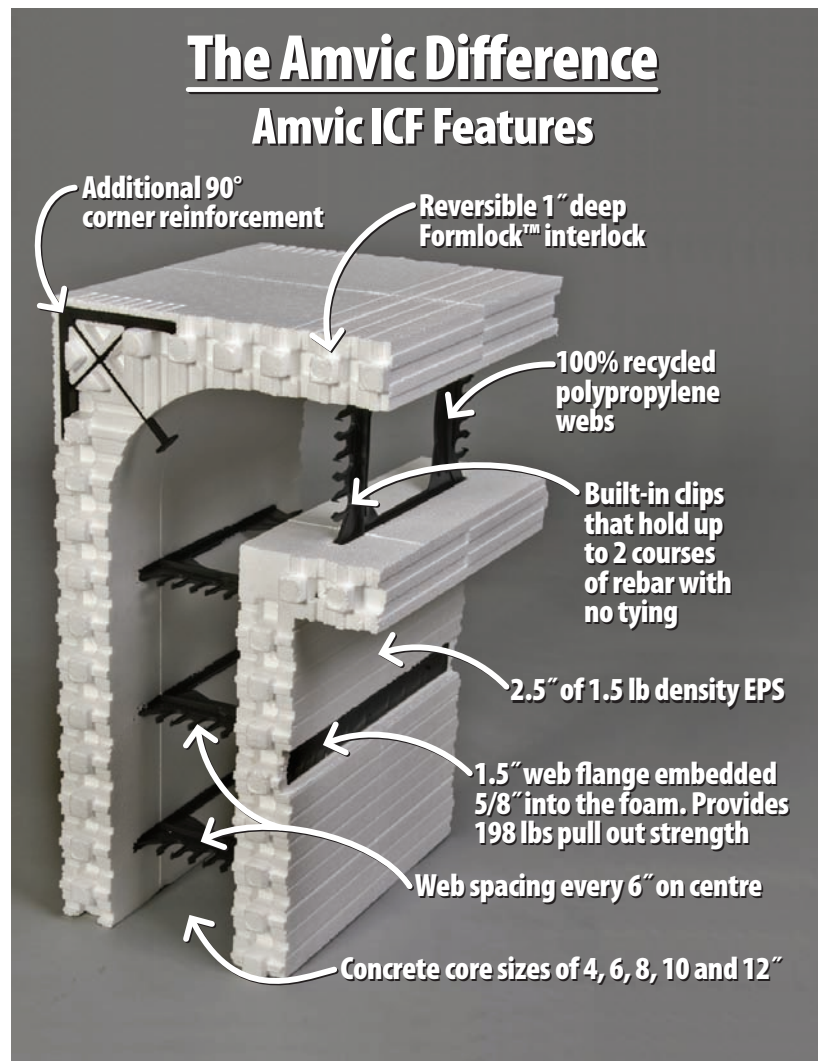
Amvic ICF structures offer several benefits to occupants over traditionally built structures including:

- Performance R-value of 40-50, due to the insulation and concrete thermal mass.
- Average of 30-50% energy savings for heating and cooling.
- Sound Transmission Class (STC) rating of 50+.
- Fire rating of 3+ hours.
- High indoor air quality.
- Greatly reduced construction time.







Green Building


Amvic ICF is a green and environmentally friendly building alternative.

- Amvic forms are made of 60% recycled materials by weight.
- No CFCs, HCFCs or formaldehyde are used during manufacturing.
- Construction waste for exterior walls can be reduced to less than 1%.
- Eliminating lumber for exterior walls helps to reduce deforestation.
- Decreased energy consumption results in fewer harmful emissions.



Our ICF Products

	Product	Concrete Core Width	Form Dimension Inches LxHxW (Metres)	Concrete Volume Per Form	Concrete Volume per sq.ft. of wall area	Surface Area Per Form
	Amvic Straight Reversible Block	4" (102mm)	48" x 16" x 9" (1.22 x 0.41 x 0.23)	0.066 cu-yd 0.050 m³	0.012 cu-yd 0.009 m³	5.33 ft² 0.50 m²
		6" (152mm)	48" x 16" x 11" (1.22 x 0.41 x 0.28)	0.099 cu-yd 0.076 m³	0.019 cu-yd 0.014 m³	5.33 ft² 0.50 m²
		8" (203mm)	48" x 16" x 13" (1.22 x 0.41 x 0.33)	0.132 cu-yd 0.101 m³	0.025 cu-yd 0.019 m³	5.33 ft² 0.50 m²
		10" (254mm)	48" x 24" x 15" (1.22 x 0.61 x 0.38)	0.247 cu-yd 0.189 m³	0.031 cu-yd 0.024 m³	8.00 ft² 0.74 m²
		12" (305mm)	48" x 24" x 17" (1.22 x 0.61 x 0.43)	0.296 cu-yd 0.227 m³	0.037 cu-yd 0.028 m³	8.00 ft² 0.74 m²
	Amvic 90° Corner Reversible Block*	4" (102mm)	[24.5" + 12.5"] x 16" x 9" (0.62 + 0.32) x 0.41 x 0.23	0.037 cu-yd 0.028 m³	0.009 cu-yd 0.007 m³	4.11 ft² 0.38 m²
		6" (152mm)	[26.5" + 14.5"] x 16" x 11" (0.67 + 0.37) x 0.41 x 0.28	0.059 cu-yd 0.045 m³	0.013 cu-yd 0.010 m³	4.56 ft² 0.42 m²
		8" (203mm)	[28.5" + 16.5"] x 16" x 13" (0.72 + 0.42) x 0.41 x 0.33	0.083 cu-yd 0.064 m³	0.017 cu-yd 0.013 m³	5.00 ft² 0.46 m²
		10" (254mm)	[42.5" + 18.5"] x 24" x 15" (1.08 + 0.47) x 0.61 x 0.38	0.226 cu-yd 0.172 m³	0.022 cu-yd 0.017 m³	10.17 ft² 0.94 m²
		12" (305mm)	[38.48" + 20.5"] x 24" x 17" (0.98 + 0.52) x 0.61 x 0.43	0.243 cu-yd 0.186 m³	0.025 cu-yd 0.019 m³	9.83 ft² 0.91 m²
	Amvic 45° Corner Reversible Block*	4" (102mm)	[21" + 9"] x 16" x 9" (0.53 + 0.23) x 0.41 x 0.22	0.036 cu-yd 0.027 m³	0.011 cu-yd 0.008 m³	3.33 ft² 0.31 m²
		6" (152mm)	[21.25" + 9.25"] x 16" x 11" (0.54 + 0.23) x 0.41 x 0.28	0.053 cu-yd 0.041 m³	0.016 cu-yd 0.012 m³	3.39 ft² 0.31 m²
		8" (203mm)	[22" + 10"] x 16" x 13" (0.56 + 0.25) x 0.41 x 0.33	0.073 cu-yd 0.055 m³	0.020 cu-yd 0.016 m³	3.56 ft² 0.33 m²
	Amvic Tapered Top Block	6" (152mm)	48" x 16" x 11" - 9.5" concrete width at top (1.22 x 0.41 x 0.28 - 0.24 concrete width at top)	0.108 cu-yd 0.083 m³	0.020 cu-yd 0.016 m³	5.33 ft² 0.50 m²
		8" (203mm)	48" x 16" x 13" - 11.5" concrete width at top (1.22 x 0.41 x 0.33 - 0.29 concrete width at top)	0.141 cu-yd 0.108 m³	0.026 cu-yd 0.020 m³	5.33 ft² 0.50 m²
	Amvic Brickledge Block	6" (152mm)	48" x 16" & 5" Brick Ledge space (1.22 x 0.41) & 0.13	0.138 cu-yd 0.105 m³	0.026 cu-yd 0.020 m³	5.33 ft² 0.50 m²
		8" (203mm)	48" x 16" & 5" Brick Ledge space (1.22 x 0.41) & 0.13	0.171 cu-yd 0.130 m³	0.032 cu-yd 0.024 m³	5.33 ft² 0.50 m²
		8" to 6" transition	48" x 16" & 4.5" Brick Ledge space (1.22 x 0.41) & 0.11	0.157 cu-yd 0.120 m³	0.029 cu-yd 0.023 m³	5.33 ft² 0.50 m²
	Amvic Height Adjuster	2" (51mm)	48" x 2" x 2.5" (1.22 x 0.05 x 0.06)	N/A	N/A	N/A
		3" (76mm)	48" x 3" x 2.5" (1.22 x 0.076 x 0.06)	N/A	N/A	N/A
		4" (102mm)	48" x 4" x 2.5" (1.22 x 0.10 x 0.06)	N/A	N/A	N/A

Amvic T-Blocks	Block Type	Concrete Core Width	Form Dimension Inches LxHxW (Metres)	Concrete Volume Per Form	Concrete Volume Per sq.ft. of Wall Area	Surface Area Per Form
	Short Leg T-Block	6" (152mm)	[30" + 9.5"] x 16" x 11" ([0.76 + 0.24] x 0.4 x 0.28)	0.081 cu-yard 0.062m³	0.018 cu-yard 0.014m³	4.39ft² 0.41m²
	Long Leg T-Block	6" (152mm)	[30" + 21.5"] x 16" x 11" ([0.76 + 0.55] x 0.4 x 0.28)	0.106 cu-yard 0.081m³	0.018 cu-yard 0.014m³	5.72ft² 0.53m²
	Short Leg T-Block	8" (203mm)	[32" + 9.5"] x 16" x 13" ([0.81 + 0.24] x 0.4 x 0.33)	0.114 cu-yard 0.087m³	0.025 cu-yard 0.019m³	4.61ft² 0.43m²
	Long Leg T-Block	8" (203mm)	[32" + 21.5"] x 16" x 13" ([0.81 + 0.55] x 0.4 x 0.33)	0.147 cu-yard 0.112m³	0.025 cu-yard 0.019m³	5.94ft² 0.55m²



Complementary Products

AmDeck® Floor & Roof System

AmDeck® Floor & Roof System is a modular, lightweight stay-in-place form made of Expanded Polystyrene (EPS) for the construction of concrete floors and roofs. The EPS used to make AmDeck® provides built-in continuous thermal insulation (R-18) and reduces noise travel between stories.

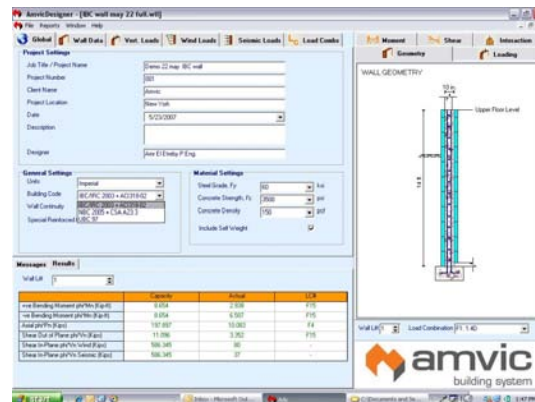


The system utilizes 10 inch, lightweight steel channels to carry temporary construction loads and act as furring strips for interior finishing. As a result, shoring can be placed up to 20 feet on center which is 4x less than for competing products, resulting in significant cost savings. One-way concrete floor/roof joists formed with AmDeck® can span approximately 30-35 feet. Spans greater than 40 feet can also be easily achieved using higher strength concrete and post-tensioned reinforcing cable strands.

AmDeck® does not require additional anchoring of the steel channel to the concrete slab to ensure structural integrity, as competitive systems do. This is especially important in the event of a fire.

Amvic Design Software (ADS)

Amvic Design Software (ADS)™ is an industry leading integrated engineering software for checking the structural adequacy of Amvic walls, lintels and AmDeck®. To use the system a user simply inputs different variables for loads and reinforcement and the system automatically calculates if the variables are acceptable as per the applicable building code.



The software is visually interactive and any changes or inputs made by the user are automatically reflected on a drawing in real-time. ADS is the only software on the market which has built-in text and graphic reports output for complete transparency on the analysis and design checks performed. ADS is extremely useful for engineers and architects as it streamlines the design process and increases efficiency.

Amvic Buck System

The Amvic Buck System is a vinyl window and door block-out system made for residential and commercial ICF projects. The system is quick and easy to install and does not require the use of a bracing system, which saves time and money during construction.

While comparable to wood block-outs in price, the Amvic Buck System provides superior moisture protection, will not warp or shrink, reduces air infiltration and will not promote any mold or mildew growth.



Accessories

Armtec Ltd. Platon Foundation Protector

Platon 'air gap' is a tough, dimpled, 24 mil high-density polyethylene waterproofing membrane. The system prevents water leakage problems by providing exterior water control, interior and exterior moisture control and drainage. Platon has been providing leak free performance on ICF foundations since 1994 and offers a 30 year limited leakage warranty. www.systemplaton.com



Simpson Strong-Tie® ICF Ledger Connection

The ICFVL Ledger Connector System is engineered to solve the challenges of mounting wood or steel ledgers to ICF walls. The ICFVL is designed to provide both vertical and lateral, in-plane performance. Benefits over anchor bolting include, better on center spacing, faster installation and no protrusions. The embedded legs of the ICFVL are embossed for additional stiffness and the hole allows for concrete to flow through and around the connector. The exposed flange on the face of the ICF provides a structural surface for mounting either a wood or steel ledger. www.strongtie.com



Plumwall Ltd. Bracing Systems

Plumwall Ltd. provides premier residential and commercial ICF bracing solutions to make installation quick, accurate & professional. The residential Original Brace is fully 'pin' adjustable with a unique fold up design that ensures you get from job site to job site with all parts intact. It also has a platform level 'plumb' adjustment to make the final modifications of freshly poured walls a one-man operation.

The Commercial Brace for high wall applications up to 24 ft high is an engineered component system comprised of ladder sections, outer braces and moveable platforms. Corner Angle Braces, Econo Braces and Knee Wall Braces are also available. www.plumwall.com



Soprema™ Colphene ICF

Colphene ICF is a self-adhesive waterproofing membrane for ICF foundations. It is composed of SBS modified bitumen and a polyethylene woven complex facer for flexibility and strength. This surface provides 100 % protection from UV radiation.

Colphene ICF can be applied directly to the surface of ICF. www.soprema.ca



Wind-Lock™ Foam2Foam™ Foam Adhesive

Foam2Foam™ Foam is a multi-purpose, low expansion construction adhesive and gap/crack filler. This professional quality, quick curing foam is ideal for various applications in ICF construction including: adhering forms to footers, securing pipes, reducing air infiltration and keeping pests out. Foam Guns and Foam Gun Cleaner are also available. www.wind-lock.com.



Tajima™ G-Saw 210P ICF Folding Handsaw

G-Saw 210P ICF is designed for cutting ICF, foam and plastic. It features a thin, rectangular shaped, fine-tooth blade that cuts quickly and ensures that each cut stays on track. The saw is lightweight and its contoured elastomer handle provides a comfortable grip. The blade folds into the handle for safe storage, and opens into two lock positions, straight across or with the handle angled upwards to keep the hand away from the cutting surface. Replacement blades and an optional coarse-cut blade for fast cutting of a variety of materials are also available. www.tajimatool.com.



ICF-Connect™ ICF Connector

The ICF-Connector is a multi-function Joist/Truss hanger system that eliminates the need to install a ledger/rim board, thus saving considerable labor and material costs. Two insert plates are inserted directly through the foam and become embedded in the concrete. An adjustable bracket is wrapped around the joist and then secured between the plates with 6 screws. The same 3 piece system can also be used as a hurricane roof strap for any size truss. www.icfconnect.com.



Added Value

Technical Support

Amvic has a collection of comprehensive support materials including technical and installation manuals, architect binders, CAD details, estimating software and technical testing. We also have highly qualified staff that can provide you with the highest level of professional technical support.



Job Site Training

Amvic sales representatives and distributors also offer job-site training and supervision for new installers and challenging projects. For more information, please contact your local distributor or sales representative.

AIA Credits

Amvic offers AIA Continuing Education Credits for architects. Programs are available on an on-going basis by appointment in multiple locations across North America. For more information, please call 1 877 470 9991 or visit www.amvicsystem.com



In-house Engineering

Amvic now offers in-house engineering for Amvic ICF and AmDeck® customers at a competitive rate. For more information, please call 1 877 470 9991 or visit www.amvicsystem.com

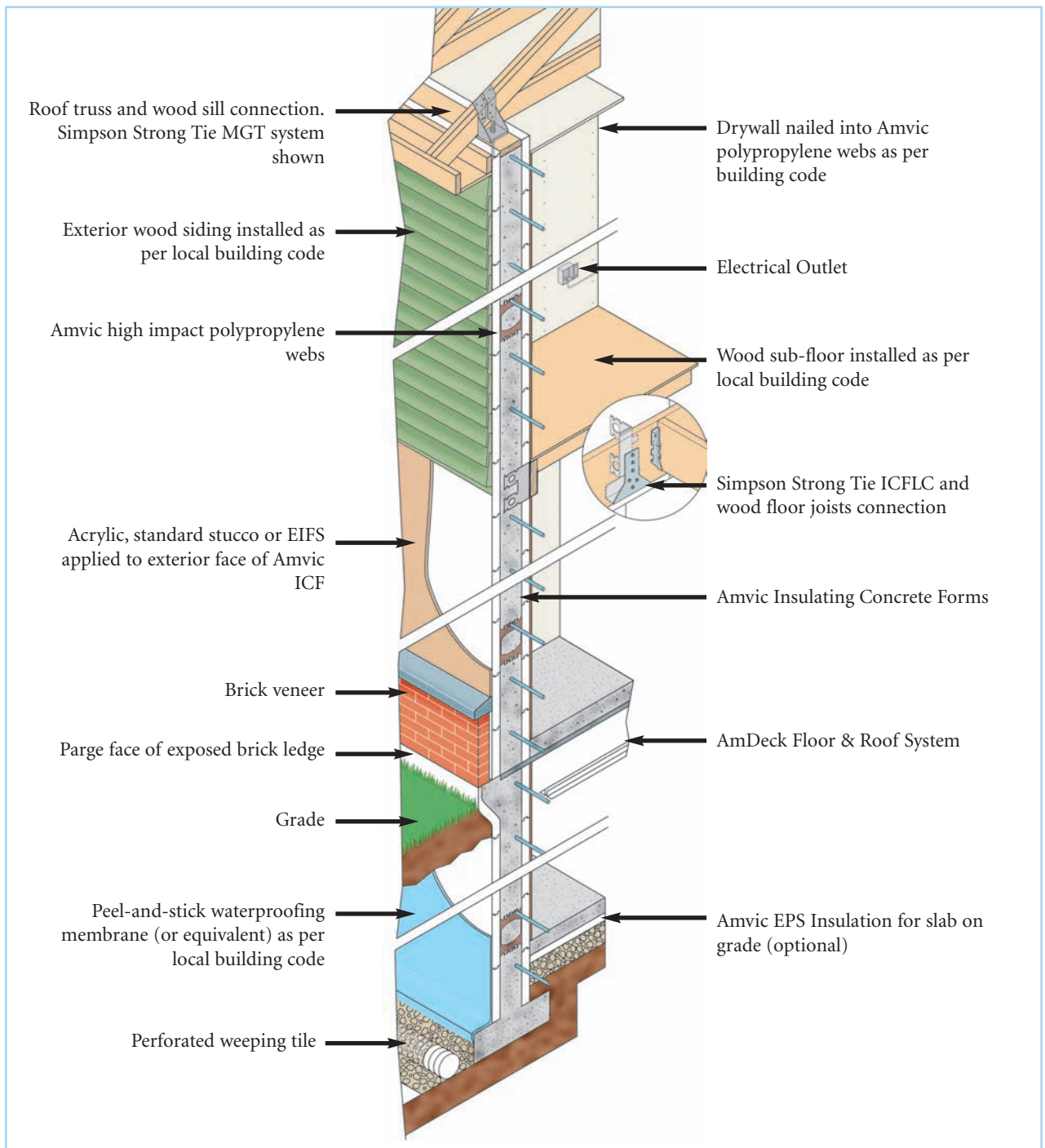
Training

Installation Training Seminar

Amvic provides an in-class installation training seminar for contractors, builders, and homeowners interested in learning about construction using Amvic ICF and AmDeck®. The seminars are led by qualified Amvic instructors and cover the basics of ICF installation for residential and light commercial structures. The class format combines both lecture style presentation and hands-on demonstration. Classes are offered across North America. For more information, please call 1 877 470 9991 or visit www.amvicsystem.com



Amvic+ the power of added value



The International Code Council (ICC) ESR-1269.
Note: BOCA, ICBO, and SBCCI now formally consolidated into a single organization.

CCMC

Canadian Construction Materials Centre (CCMC)
CCMC#13043-R



1.877.470.9991
www.amvicsystem.com

Our Products

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