

# LEED BUILDING WITH AMVIC

Insulated Concrete Forms are revolutionizing modern construction and rapidly changing the way we build structures. Cost effective, sustainable and environmentally friendly, ICF construction is a superior way to build.

As architects and builders accelerate the transformation to high-performing, healthy green buildings, homes and communities, AMVIC has responded to their needs and for LEED compliant building materials.

Today, AMVIC's ICF block and flooring systems are United States Green Building Council (USGBC) and Canada Green Building Council (CaGBC) LEED certified. AMVIC's ICFs can make significant point contributions to your building's LEED certification.

## AMVIC'S GREEN MANUFACTURING CHARACTERISTICS

AMVIC ICF structures combine expanded polystyrene (EPS) insulation and concrete thermal mass. This highly effective combination of materials minimizes temperature fluctuations by absorbing and storing heat. AMVIC ICF structures result in a 30-50% reduction in energy consumption for heating and cooling purposes.

AMVIC manufacturing centers use steam and cold water to produce ICFs. No CFC's, HCFC's, formaldehyde or any chemicals are used in AMVIC's manufacturing process.

AMVIC ICF can generate as little as 1% construction waste, which is over 50% less than most competing ICFs. This greatly reduces land fill compared to traditional building methods.

AMVIC ICF webs are manufactured using 100% post-industrial recycled plastic. This means that over 60% of the weight of an AMVIC ICF block is comprised of recycled materials.

## AMVIC ICF IN LEED

In support of our commitment to Green build and environmental sustainability, our ICF products have been independently certified for LEED point eligibility.

**“AMVIC ICF products can play a key role in energy efficiency and environmentally responsible design, and form part of many of the industry's best practices”**



Here's how our Insulated Concrete Forms can contribute to the Canadian Green Building Council (CaGBC) LEED certification:

## AMVIC ICF FOR LEED IN HOMES (CaGBC)

Credit	Total Points Available	Potential Benefit	Potential AMVIC Contribution
ID2.1m ID2.2: Durability	Required element	ICF products contribute strongly towards durable buildings	Meets requirement
EA1: Energy Performance	34 points	ICF structures can achieve enhanced energy performance of 32 to 44%	10 - 15 points
MR2: Environmentally Preferable Products	8 points	ICF block can be constructed with locally sourced recycled content in the concrete	1 point
MR3: Waste Management	3 points	Concrete used in ICFs can be recycled or re-used on site	1 point
<b>Total</b>	<b>45 points</b>		<b>13-17 points (29-38% of available points)</b>

Based on the results of our independent assessment, AMVIC can confidently claim that our ICF products make valuable contributions towards 45 points in the LEED for Homes rating system, and may directly contribute as many as 13-17 points, depending on the project.

## AMVI ICF IN LEED-CANADA FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS (NC)

Credit	Total Points Available	Potential Benefit	Potential AMVIC Contribution
EAc1: Energy Performance	10 points	ICF structures can achieve enhanced energy performance of 32 to 44%	1 - 5 points
MRC2: Waste Management	2 points	Concrete used in ICFs can be recycled or re-used on site	1 point
MRc4 Recycled Content:	2 points	Recycled content is counted in LEED by a cost fraction that is weighted by mass.	1 point
MRc5 Regional Materials	2 points	ICF block can be constructed with locally sourced concrete	1 point
<b>Total</b>	<b>16 points</b>		<b>4-8 points (25-50 % of available points)</b>

Based on the results of our independent assessment, AMVIC can confidently claim that our ICF products make valuable contributions towards 16 points in the LEED Canada NC rating system, and may directly contribute as many as 4-8 points, depending on the project.

Here's how our Insulated Concrete Forms can contribute to the United States Green Building Council (USGBC) LEED certification:

## AMVIC ICF IN LEED FOR HOMES (USGBC)

Credit	Total Points Available	Potential Benefit	Potential AMVIC Contribution
ID2.1m ID2.2: Durability	Required element	ICF products contribute strongly towards durable buildings	Meets requirement
EA1: Energy Performance	34 points	ICF structures can achieve enhanced energy performance of 32 to 44%	10 - 15 points
MR2: Environmentally Preferable Products	8 points	ICF block can be constructed with locally sourced recycled content in the concrete	1 point
MR3: Waste Management	3 points	Concrete used in ICFs can be recycled or re-used on site	1 point
<b>Total</b>	<b>45 points</b>		<b>13-17 points (29-38% of available points)</b>

Based on the results of our independent assessment, AMVIC can confidently claim that our ICF products make valuable contributions towards 45 points in the LEED for Homes rating system, and may directly contribute as many as 13-17 points, depending on the project.

## AMVIC ICF IN LEED 2009 FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS (NC)

Credit	Total Points Available	Potential Benefit	Potential AMVIC Contribution
EAc1: Energy Performance	19 points	ICF structures can achieve enhanced energy performance of 32 to 44%	11 - 17 points
MRC2: Waste Management	2 points	Concrete used in ICFs can be recycled or re-used on site	1 point
MRc4 Recycled Content:	2 points	Recycled content is counted in LEED by a cost fraction that is weighted by mass.	1 point
MRc5 Regional Materials	2 points	ICF block can be constructed with locally sourced concrete	1 point
<b>Total</b>	<b>25 points</b>		<b>14-20 points (56 - 80% of available points)</b>

Based on the results of our independent assessment, AMVIC can confidently claim that our ICF products make valuable contributions towards 25 points in the LEED-NC (USGBC) rating system, and may directly contribute as many as 14-20 points, depending on the project.