



## **In-Store Product Knowledge Guide**

- PlastiSpan Insulation
- PlastiSpan HD Insulation
- DuroFoam Insulation
- Advantage ICF System

Name: \_\_\_\_\_





**Plasti-Fab has been providing customers with innovative expanded polystyrene (EPS) product solutions for commercial, residential and geotechnical engineered applications throughout North America for over thirty years.**

Recognized as Canada's expert in the EPS industry, Plasti-Fab helps customers find the best EPS product solutions for insulation, building systems, buoyancy, geotechnical engineered applications, packaging and display.

Every Plasti-Fab product and customer benefits from our commitment to quality, service and expertise. We give our customers the confidence that they've made the right choice when choosing Plasti-Fab.



Use PlastiSpan, PlastiSpan HD and DuroFoam Insulation as:

### **Basement Floor Insulation**

- Insulating above a basement floor
- Radiant floor heating systems (insulating below slab)

### **Basement Wall Insulation**

- Insulating exterior basement walls
- Insulating interior basement walls

### **Exterior Above-grade Wall Insulation**

- New construction-exterior insulating sheathing
- Renovations-insulating over existing walls
- Roof and ceiling

### **Plasti-Fab Building Systems**

- Advantage Insulating Concrete Forming (ICF) System

### **Other Uses**

- Floating rafts
- Crafts



**PlastiSpan® and DuroFoam® Insulation**



**Quality • Service • Expertise**

# R-VALUES AT A GLANCE

Insulation Thickness*	PlastiSpan or DuroFoam	PlastiSpan HD
INCHES	R-VALUE	R-VALUE
3/4"	2.81	3.03
1"	3.75	4.04
1-1/2"	5.62	6.06
2"	7.50	8.08
3"	11.25	12.12

Check the applicable building code in your region regarding minimum insulation R-Value.



Certified Climate Protection



**1-888-446-5377 [www.plastifab.com](http://www.plastifab.com)**



## **PlastiSpan® and DuroFoam® Insulation**

<b>Feature</b>	<b>Advantages and Benefits</b>
Lowest cost per R-Value for rigid insulation	<ul style="list-style-type: none"><li>• Reduces energy use</li><li>• Saves money on energy bills</li></ul>
Has a closed cell structure	<ul style="list-style-type: none"><li>• Resists water absorption</li><li>• Provides a drainage plane on exterior below grade applications</li></ul>
Age does not effect product's thermal resistance	<ul style="list-style-type: none"><li>• Does not contain any R-Value-enhancing chemicals</li><li>• Maintains consistent R-Value over time</li></ul>
Provides a monolithic layer of thermal protection	<ul style="list-style-type: none"><li>• No thermal bridges where heat could escape</li><li>• Provides more cost savings</li></ul>
Meets regulations	<ul style="list-style-type: none"><li>• The product meets CAN/ULC-S701</li><li>• Meets CCMC evaluation</li><li>• Complies with national and provincial building codes</li></ul>

Professional grade product	<ul style="list-style-type: none"><li>• Widely used in industrial, commercial, and residential construction</li></ul>
Plasti-Fab is an industry leader in energy efficient technology	<ul style="list-style-type: none"><li>• Plasti-Fab is recognized industry wide for providing their customers with Insulating Building Products for over 35 years</li></ul>
Provides proven product solutions	<ul style="list-style-type: none"><li>• The product can be used for floor, wall, and roof systems</li><li>• Can be used above or below grade</li></ul>
Environmentally friendly	<ul style="list-style-type: none"><li>• No off gassing from the product</li><li>• No HCFC's are used in the manufacturing process</li><li>• Reduces the use of non-renewable resources to heat enclosed space</li></ul>
Provides safe comfort	<ul style="list-style-type: none"><li>• The product does not irritate allergies</li><li>• Does not support the growth of mould</li></ul>



- The Plasti-Fab Advantage ICF System® is a modular, interlocking insulating concrete forming system consisting of two expanded polystyrene (EPS) insulation panels connected with plastic web connectors moulded into the EPS panels.
- The EPS face panels have a preformed interlocking mechanism along their top and bottom edges to facilitate stacking of Advantage ICF blocks and to ensure web connectors align vertically for attachment of interior and exterior finish materials.
- Web connectors act as the stud in your wall.
- The space created between the EPS panels is filled with concrete on site to form an insulated, monolithic concrete wall of uniform thickness.
- Eliminates need for cribber and reduces trade delays.
- Advantage ICF System panels are left-in-place to form a continuous insulation layer on both sides of the wall.
- The panels provide backing for drywall on the inside and stucco, lap siding or brick on the outside.
- The result is a house or commercial building that is exceptionally strong, energy efficient, quiet, comfortable and durable, and can be built in any style.

# Advantage ICF System Specifications

## General Product Description

<b>EPS Insulation:</b>	Complies with CAN/ULC-S701, Type 2 and ASTM C578, Type II Contains no CFC's, HCFC's, HFC's or formaldehyde. ECP-Certified Insulation
<b>Concrete:</b>	20 MPa (2900 psi) at 28 days Nominal thickness 152-mm (6") or 203-mm (8")
<b>Sound Transmission:</b>	STC rating > 55
<b>Fire Resistance Rating:</b>	3-hour rating for 152-mm (6") or 4-hour 203-mm (8") concrete wall per National Building Code of Canada 1995, Table D-2.1.1.
<b>Air &amp; Vapour Barrier:</b>	Provided by combination of monolithic concrete thickness and EPS insulation
<b>Code Evaluation Reports:</b>	CCMC 13101-R (Canada) and ICC-ES ESR-1578 (USA)

## Energy Efficiency – Typical Effective Thermal Resistance (R-Value):

<b>Below Grade:</b>	6" Advantage ICF System @ R-21.7 8" Advantage ICF System @ R-22.8
<b>Above Grade:</b>	6" Advantage ICF System @ R-22.5 8" Advantage ICF System @ R-23.6

### Advantage ICF 6"

### Advantage ICF 8"

#### Standard Block



Height: 419 mm (16-1/2")  
 Width: 286 mm (11-1/4")  
 Length: 1219 mm (48')

Shipped in bundles of 5

Height: 419 mm (16-1/2")  
 Width: 337 mm (13-1/4")  
 Length: 1219 mm (48')

Shipped in bundles of 5

#### Corner Block



Height: 419 mm (16-1/2")  
 Width: 286 mm (11-1/4")  
 Length: 1219 mm (48')

Shipped in bundles of 5

Height: 419 mm (16-1/2")  
 Width: 337 mm (13-1/4")

Length: 737 mm x 432 mm (29' x 17")

Shipped in bundles of 4 (not available in half block)

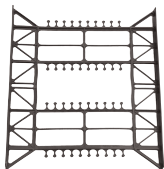
45 Corner Block



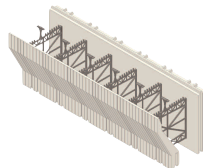
Taper Top Block



Web Connector



Brick Ledge



For more information on sizes and ordering Advantage ICFs, please see price lists at the Pro Desk.

<b>Features of the Advantage ICF System</b>	<b>Advantages and Benefits</b>
More Energy Efficient	Lower utility bills, saves money, more environmentally responsible
Reduced sound transmission	Comfort, privacy
Resistant to storms and high winds	Safe and secure
Virtually dust and pollen free	Healthier living
Specialty 45° and 90° corner blocks and brick ledge block	Flexibility in design
Wide window sills	Versatile interior decoration
Fast, year round construction	Convenient construction schedules
Superior insulation	Comfortable living with warm consistent temperatures throughout the house
Local supply	High comfort level – dealing with established local building supply dealer
Strong and Durable Contracter grade design	Recommend vibrating concrete. Can be used for entire project above and below grade



# Advantage ICF System™

Insulating Concrete Forming System



- Residential
- Commercial
- Renovations
- Foundations
- Landscaping



- ✓ Energy Efficient
- ✓ Quality
- ✓ Quiet
- ✓ Built to Last

Made with  
ECP-Certified  
Insulation



To view the Advantage ICF System  
Installation Videos visit:

[www.plastifab.com/homeowners](http://www.plastifab.com/homeowners)

and choose "build your home" -> "educational/how-to"



Questions? Visit the Pro / Contractor Desk.



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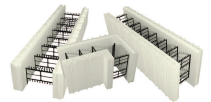
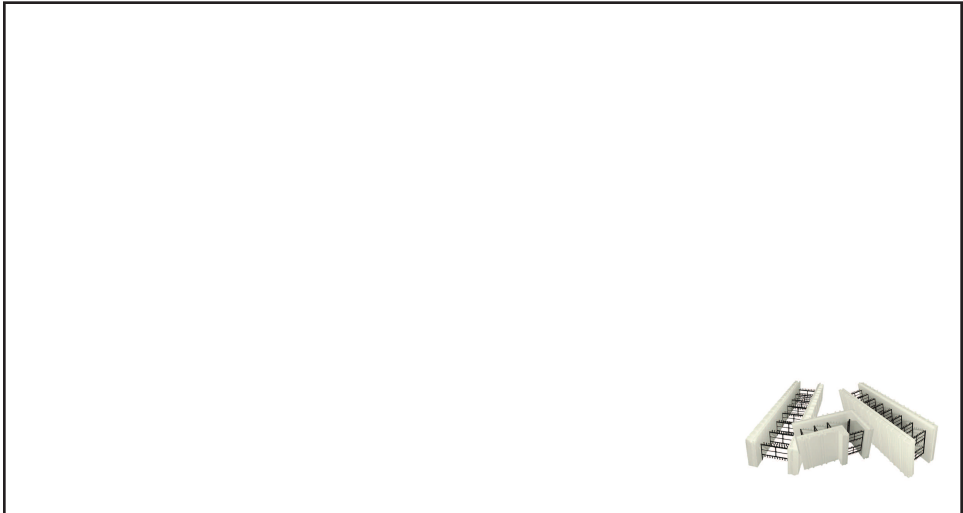


**Notes:**





**Notes:**





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