



# Quik-Therm Interior Basement and Concrete Insulation System (CIS)



Quik-Therm CIS is a flood resistant patent and patent pending high performance, ALL-IN-ONE interlocking composite insulation system.

CIS is designed for interior basement, commercial masonry, retrofit walls and heritage buildings. Quik-Therm CIS is manufactured using superior closed-cell, lightweight and resilient expanded polystyrene (EPS). CIS Panels are covered with durable and flexible advanced metallic polymer facers.

Stud spacing locations are pre-determined and are located every 8 inches to accommodate either 16" or 24" centers. For easy alignment, CIS panels incorporate tongue and groove connections. Utilizing disposable canned spray foam, Quik-Therm CIS panels are hermetically sealed together. In turn, the panels are attached to concrete walls with foam IDP insulation anchors.

Installed as per manufacturer recommendations, Quik-Therm CIS meets code compliancy as an air, vapour and radon barrier.

## Features & Highlights - Flood Resistant

- **COLD CLIMATE TESTED** – ASTM C1363-05 Tested to conditions similar to Canadian winters. Temperature Range: Outside -18°C / Inside +21°C / 22 KPH wind / -36°C Wind Chill Factor.
- **SAVES ENERGY DOLLARS** – Outperforms ALL interior concrete insulation methods and systems. Independent testing shows Quik-Therm CIS outperforms batt and stud assemblies by up to 400% (ASHRAE Table A3.1D).
- **6 in 1 CONCRETE INSULATION SYSTEM** – Air, vapour, radon and radiant barrier, framing and insulation– ALL-IN-ONE.
- **STOPS THERMAL BRIDGING** – Continuous foam panel and steel L-Stud design STOPS heat transfer through framing members.
- **FAST AND EASY TO INSTALL** – Installs in 50% LESS TIME than studs, batt and poly.
- **RUGGED & DURABLE** – Does not easily chip, crack or break.
- **PLUMBS & LEVELS UNEVEN WALLS** – Plastic support stabilizers allow for adjustment of metal L-studs. Metal L-studs become the connection point for attaching drywall to the foam panels.
- **EXTRAORDINARY COMFORT** – Increases the comfort of basements by up to 5 degrees. Drywall is warm to the touch.

### ENVIRONMENTALLY RESPONSIBLE:

- Does not produce ozone depleting off gasses.
- Panels contain up to 15% recycled expanded polystyrene (EPS).
- Metal L-studs are manufactured utilizing 63% recycled content.

### HEALTHY LIVING ENVIRONMENT:

- NO formaldehyde and NO vitreous glass fibers. NO Odours, NO Mildew, NO Mold.
- Does not absorb moisture, thereby reducing damage and expense caused by basement moisture or flooding.

**Tested by Canadian Accredited Laboratories**  
**Supported by Leading Building Scientists**  
**Designed to Meet New Building Codes in Canada**



Innovative Insulation Solutions

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Made in Canada

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Tested By Canadian Accredited Laboratories. Supported By Building Science Engineering.

# Thermal Performance Testing – Nominal vs. Effective R-Value

## National Research Council Canada

- “In recent years, the focus of building code and regulatory officials, professionals and researchers has shifted towards the performance of the entire wall system.” “Therefore, it is not sufficient to characterize the wall by its R-value alone, as was the case in the past.”

## ASHRAE (American Society of Heating, Refrigeration and Air-Conditioning Engineers)

Effective/Labelled R-Value Equivalent as per Table A3-1D

Wall Assembly	Effective R-Value	Labelled R-Value Fiberglass Equivalent
3.5" Fiberglass & Wood Studs	9.8	12
5.5" Fiberglass & Wood Studs	15.8	20
2¾" Quik-Therm CIS	17.2	24
3" Quik-Therm CIS	18.2	26
4" Quik-Therm CIS	22.13	32

**Quik-Therm CIS is backed by  
a Lifetime Transferrable  
Warranty**



## Specifications

**Thickness** 2½" to 6"

**Heights** 4 ft., 8 ft. & 10 ft.

Custom heights & thicknesses available (*extra cost may apply*)

**Adjustable L-studs** - 2" Fastening surface / plumbs uneven walls

**Foam Base Gaskets** - 8" wide x ½" thick x 8 ft. long

## Canadian Accredited Testing

Architectural Testing Inc. (ATI) / Intertek a certified laboratory tested the 2" and 6" Quik-Therm Concrete Insulation System (CIS) to ASTM C1363-05 – Standard test method for determination of the steady state thermal performance of building assemblies.

Temperature range: Warm side +21°C / Cold side -18°C / 22 KPH wind / -36°C Wind Chill Factor. ASTM C1363 test method is designed to determine the Effective R-value of "Real World" wall assemblies.

## Typical Physical Properties

### Property

Nominal Density (pcf)  
Compressive Strength (psi, 10% deformation)  
Water Vapour Transmission (perms)  
Flame Spread  
Smoke Developed  
2¾" Quik-Therm CIS  
3" Quik-Therm CIS  
4" Quik-Therm CIS  
6" Quik-Therm CIS

### Type 1

1.0  
13  
<1.0  
250  
410  
Effective R-17.2  
Effective R-18.2  
Effective R-22.13  
Effective R-29.96

### Test Method

ASTM D1622-03  
ASTM D1621-04  
ASTM E96  
CAN/ULC - S102.2  
CAN/ULC - S102.2  
ASTM C1363-05  
ASTM C1363-05  
ASTM C1363-05  
ASTM C1363-05