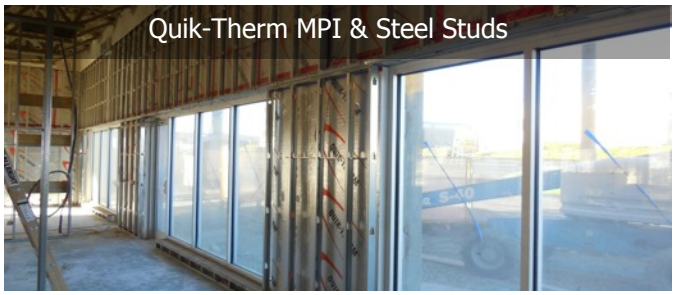
QUIK-THERM™

Insulation Solutions for Concrete, Masonry and Tilt-Up Walls

MPI & Connect


Exterior Concrete Tilt-Up


Interior Tilt-Up & Quik-Therm Connect


Quik-Therm MPI & Steel Studs


Heritage Buildiing Retrofit

Quik-Therm Tongue and Groove Connect and Multi Purpose Insulation (MPI) are high performance continuous rigid insulation solutions consisting of superior closed cell, lightweight and resilient expanded polystyrene (EPS) layered on both sides with flexible and durable metallic polymer facers. Installing Quik-Therm Connect or Multi Purpose Insulation (MPI) is often the best performing and least expensive method for insulating concrete, cinder block, masonry and heritage walls.

Quik-Therm T&G MPI and Connect are manufactured in variable densities and thicknesses and can be installed vertical or horizontal.

Quik-Therm Connect and MPI have been Effective R-value tested to ASTM C1363 in Canadian winter like conditions (-18°C. outside / 22 KPH wind / +21°C. inside) by Canadian certified laboratories. The results of these tests are supported by leading building scientists.

Quik-Therm products have been tested to ASTM E96 "Standard Test Method for Vapor Transmission of Materials". Quik-Therm conforms to CAN/CGSB-51.34-M, Vapour Barrier Polyethylene Sheet for use in Building Construction". When joints and seams are taped, Quik-Therm meets code compliancy as a radon, vapour and air barrier.

New Construction & Renovations

Interior and Exterior Applications

Commercial and Residential

Quik-Therm Advantages

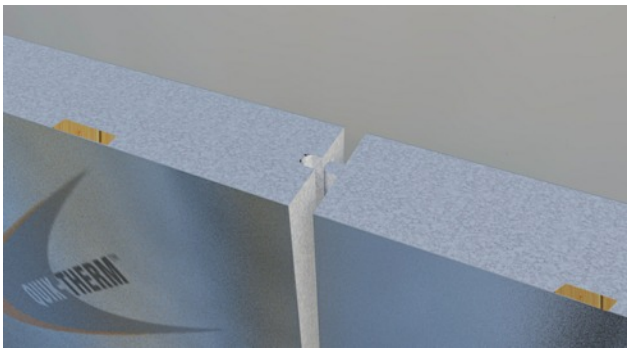
- FAST & EASY TO INSTALL - Panels are lightweight, easy to cut and dimensionally stable. Installs in about ½ the time as batt, poly and studs.
- FLEXIBLE & DURABLE - Does not easily chip crack or break.
- VAPOUR & AIR BARRIER - NO poly, vapour boxes or black gunk.
- T&G CONNECTIONS - Superior panel alignment & support.
- NO THERMAL DRIFT - R-value remains stable for life cycle of product.
- HEALTHY & MOLD RESISTANT - Does not promote mildew or mold.
- ENVIRONMENTALLY RESPONSIBLE - No dyes or ozone depleting blowing agents.
- RECYCLABLE - Contains up to 15% recycled Expanded Polystyrene.
- MADE IN CANADA - British Columbia, Manitoba, and Quebec.

MPI & Connect

Best Insulation System for Interior Concrete, Masonry and Tilt-Up Walls

Quik-Therm Multi Purpose T&G (MPI)

Ideal for insulating interior basement walls, masonry and concrete walls, retrofit walls and heritage buildings. For these applications, interior steel stud framing is generally installed independent (in front of) of MPI. This creates a cavity between MPI and the drywall where electrical and plumbing are located. Drywall is attached to the framing. Quik-Therm MPI is available in 4ft. wide by 8, 10 or 12 ft. Lengths.



Quik-Therm Connect T&G (Connect)

Designed for concrete and masonry walls without cavities. 3/4" thick x 2 1/2" wide x 8' long machined plywood fastening strips / battens are imbedded within Quik-Therm insulation panels. The battens are located 16" or 24" O.C. and are mechanically attached (Hilti) directly to concrete walls. Cladding materials are fastened to the battens. Electrical and plumbing are surface mounted to the cladding where battens are located. Connect is available in 4 ft. wide X 8 ft. long panels.

ASTM C1363 Effective R-Value Testing

ASTM C1363 - ATI / Intertek.

Wall Assembly Description	Eff. R-Value
Drywall, steel framing, 1" Quik-Therm, concrete wall	9.8
Drywall, steel framing, 2" Quik-Therm, concrete wall	14.3
Drywall, steel framing, 3" Quik-Therm, concrete wall	18.1
Drywall, R-20 fiberglass, steel framing, 1" Quik-Therm, concrete wall	21.6
Drywall, steel framing, 4" Quik-Therm, concrete wall	22.3
Drywall, steel framing, 5" Quik-Therm, concrete wall	26.1
Drywall, steel framing, 6" Quik-Therm, concrete wall	29.9

NOTE: Substitute mineral wool insulation for fiberglass - add an effective R-1 to the assembly.
As per NBC Table A-9.36.2.4.(1)D walls without interior framing (i.e.: no air cavity); deduct R-1
Quik-Therm MPI costs approximately 25% less than Extruded Polystyrene.

Typical Physical Properties

Property		Test Method
R-Value Testing	Type 1	ASTM C1363
Nominal Density (pcf)	1	ASTM D1622-03
Compressive Strength (psi, 10% deformation)	13	ASTM D1621-04
Water Vapour Transmission (perms)	<1.0	ASTM E96
Flame Spread	250	CAN/ULC - S102.2
Smoke Developed	410	CAN/ULC - S102.2

CCMC (Canadian Construction Materials Center) Listing: Type 1 13393-L and Type 2 13457-L.