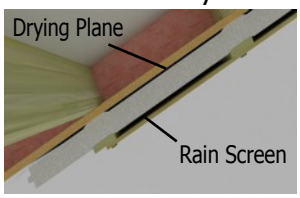
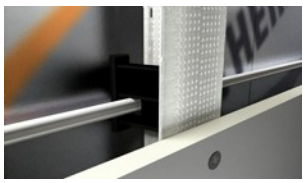
Product Summary Table

Quik-Therm Highlights:

- Closed cell EPS foam. Laminated on both sides with metalized Polymer films. Effectively impermeable.
- Effective R-Value tested to ASTM C1363. Temperature range -18°C outside / +21°C inside.
- Tested to ASTM E96. May meet code compliancy as part of an air, vapour and/or radon barrier system.
- Fire tested to CAN/ULC-S101 - 15 minute stay in place.
- Durable. Does not easily chip, crack or break.
- No LTTR effect. Does not lose R-value as it ages.
- Tested by Canadian Accredited Laboratories. Supported by leading Building Scientists.
- Made in Canada.

Product	Description	Typical Applications	Dimensions	Technical Data
Multi-Purpose Insulation 	Multiple applications. Rugged & durable.	Installs on flat or curved surfaces. Silos, wine and beer vats. Oil tanks, roofs & steel buildings, etc. Install vertical or horizontal.	4′ x 8′ sheets & 1/2″ rolls. Up to 6″ thick sheets. Custom sizes and T&G available.	Available in Type 1, 2 & 3. Impermeable.
Solar Dry 	Continuous insulation with rain screen and drying/drainage plane. Accepts wood or steel furring at 16″ and 24″ O.C. Battens/furring strips not included. Designed for cavity batt insulated walls. NO DOUBLE VAPOUR BARRIER.	Exterior wood or steel framed walls.	4′ x 8′ sheets 1.5″ to 6″ thicknesses. T&G Connections.	Type 2 only. Walls dry and drain to the outside. Installs vertical only.
T&G Connect 	Accepts heavy claddings such as cement board siding and masonry to wall framing. Includes built-in ¾″ thick plywood battens. Spaced 16″ or 24″ O.C.	Wood or Steel framed walls. Concrete walls. Vaulted ceilings.	4′ x 8′ sheets 2″ to 6″ thicknesses. T&G Connections.	Type 1 or 2. For heavy claddings and steel frame specify Type 2. Installs vertical or horizontal. Impermeable.
Concrete Insulation System 	Interior basement, concrete and masonry insulation system. Only 4 system components. Includes framing. Air, vapour and radon barrier. Mold resistant.	Interior basements, cinder block, concrete tilt-ups, masonry and heritage walls.	4′ x 4′ or 4′ x 8′ sheets. Variable thicknesses. T&G Connections.	Type 1 recommended. Non-structural system. Installs vertical or horizontal, generally vertical. Impermeable.
Sub-Grade Insulation 	Below grade insulation. Rugged & durable. Vapour impermeable.	Beneath concrete floors and subterranean foundation walls.	4′ x 8′ sheets. 11/16″ rolls. Up to 6″ thicknesses.	Available in Type 1, 2, 3 & 4 Up to 40 psi. May meet code compliancy as an air, vapour and/or radon barrier.

Optional: Connect Air Dry. Includes drying/drainage plane cavity between substrate and insulation (same as Solar Dry).

Product Summary

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ID. QT Prod
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This document provides a simple and accurate method for Professionals to specify Quik-Therm (QT) insulation products and systems. It was created from results of numerous Quik-Therm ASTM C1363 effective R-value tests, energy modeling and ASHRAE Tables A3.3 and A3.4.

(DW - Drywall) (WS - Wood Studs) (SS - Steel Studs) (EC - Empty Cavity) (R-12 or R-20 Batt Insulation) (ACL - Air Control Layer)
(OSB - Oriented Strand Board) (QT - Quik-Therm) (ED - Exterior Drywall) (CB - Cement Board) (R_u - Effective R-Value) (Mdl - Modelled)

Note: Assemblies based on framing spaced 16" O.C. Increase stud spacing from 16" O.C. to 24" O.C. add R_u-1.
Replace fiberglass with mineral wool add R_u-1.

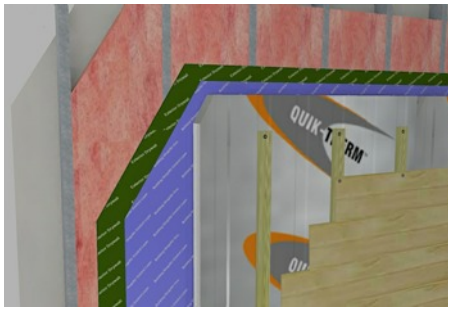
Meets CAN/ULC S701-05
CCMC #13393-L and #13457-L

Multi-Purpose (MPI) or Connect
Effective R-Value (R_u)

DW, WS, EC, OSB, 3" QT, CB = 17.2

Multi-Purpose (MPI) or Connect
Effective R-Value (R_u)

DW, SS, EC, ED, 4" QT, CB = 19.6



Solar Dry (SDI)
Effective R-Value (R_u)

DW, SS, R-20, ED, 2" QT, CB = 18.5
DW, SS, R-20, ED, 3" QT, CB = 22.7
DW, SS, R-20, ED, 4" QT, CB = 27

Solar Dry (SDI)
Effective R-Value (R_u)

DW, 2x4 WS, R-12, OSB, 1.5" QT, CB = 20.5
DW, 2x4 WS, R-12, OSB, 2" QT, CB = 22.1
DW, 2x6 WS, R-20, OSB, 2" QT, CB = 28.3
DW, 2x6 WS, R-20, OSB, 3" QT, CB = 32.5

Interior Concrete Insulation System (CIS)

CIS Thickness (Type 1)	Effective R-Value (R_u) (CIS + Concrete Wall)
2.5"	16.3
3.0"	18.2
4.0"	22.1
5.0"	26.04
6.0"	29.9

Sub-Grade Insulation System (SGI)

SGI Thickness	Effective R-Value (R_u) (Mdl)
11/16"	5.2
1.25"	7.5
2.0"	10^+
2-9/16"	13.2
3.0"	15.1
3.25"	16.1

Quik-Therm Complies with the Following Requirements of the 2010 NBCC

Heat Transfer

Article 5.3.1.1 - Required Resistance to Heat Transfer

Article 5.3.1.2 - Properties to Resist Heat Transfer to Dissipate Heat

Article 5.3.1.3 - Location and installation or Materials Providing Thermal Resistance

Article 9.25.2.1 - Required Insulation

Article 9.25.2.2 - Insulation Materials

Air Leakage**

Article 5.4.1.1 - Required Resistance to Air Leakage

Article 5.4.1.2 - Air Barrier System Properties

Article 9.25.3.1 - Required Barrier to Air Leakage

Article 9.25.3.2 - Air Barrier System Properties

Article 9.25.3.3 - Continuity of the Air Barrier System

Vapour Diffusion

Article 5.5.1.1 - Required Resistance to Vapour Diffusion

Article 5.5.1.2 - Vapour Barrier Properties and Installation

Article 9.25.4.1 - Required Barrier to Vapour Diffusion

Article 9.25.4.2 - Vapour Barrier Materials

Fire Protection

Article 3.1.5.1 - Noncombustible Materials

Article 3.15.12 - Combustible Insulation and its Protection

Article 3.2.3.8 - Protection of Exterior Building Face

Ground Moisture

Article 9.3.2.5 - Moisture Content

** QT Solar Dry and Connect Air Dry do not comply with air leakage requirements of the NBCC.

The information presented herein is based upon data considered accurate. Quik-Therm Insulation Solutions Inc. does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.