



# TECHNICAL DATA SHEET

## Quik-Therm Air Dry Connect

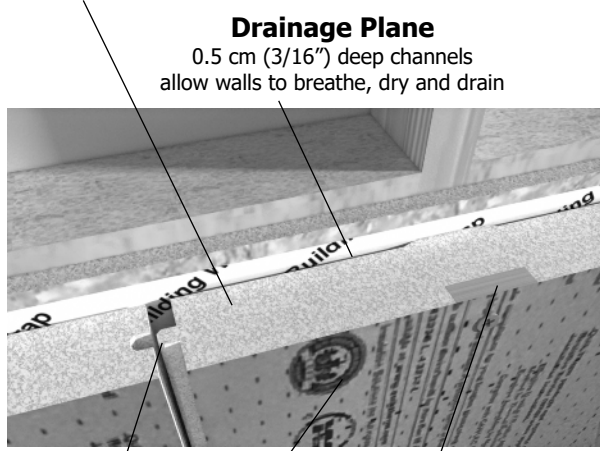
ID. QT Air Dry Connect

March 2016

1 888 735-3012  
quiktherm.com

### Air Dry Connect Panel

1.2 m wide x 2.4 m long (4' x 8')  
5 cm to 15 cm (2" to 6") Thick



#### Drainage Plane

0.5 cm (3/16") deep channels  
allow walls to breathe, dry and drain

#### Perforated Facers

#### Battens

41 cm (16") or 61 cm (24") O.C.  
1.9 cm (3/4") thick x 7.6 cm (3") x 244 cm (96")

### Tongue & Groove Connections

1.3 cm x 1.3 cm (1/2" x 1/2")

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

Quik-Therm Air Dry Connect (Air Dry) is manufactured using Type 2 closed-cell expanded polystyrene (EPS) with advanced perforated metallic polymer facers. Located on the inboard side of Air Dry are unobstructed, free air drainage cavities that occupy approximately 75% of the inboard surface. The cavities allow walls to drain, dry and disperse moisture to the outside. Located 16" or 24" OC., plywood furring strips/battens are embedded within the insulation panels. Battens are hermetically sealed in place by the perforated metallized polymer facers. In-turn, battens are mechanically connected through insulation panels directly to wall framing studs/ members, concrete, CMU or to another layer of Air Dry Connect. Cladding materials such as cement board, standing seam metal roofing, etc. are fastened directly to the furring strips. Air Dry Connect has been tested in accordance with CAN/ULC S-701. Air Dry is durable and does not easily chip crack or break. There is no thermal drift and its R-value will remain stable over its entire service life. Air Dry Connect does not contain dyes, formaldehyde or blowing agents. It may contain up to 15% recycled EPS.

- Effective R-value tested to ASTM C1363 "Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies". \*\* Testing confirmed the presence of the shallow flutes and plywood furring strips did not significantly affect the thermal performance of the assembly when compared to the assembly containing Quik-Therm Multi-Purpose Insulation. - Morrison Hershfield
- Tested to ASTM E96 "Standard Test Method for Vapour Transmission of Materials". Air Dry is vapour permeable. It's facers are perforated. Vapour diffuses through the panels to ambient air. Walls drain & dry to the outside. Air Dry qualifies as a secondary WRB (Weather Resistive Barrier).

Characteristic	Units	Nominal Value	Test Method
Dimensional Stability - Maximum Linear Change	%	1.5	ASTM D2126
Length Tolerance	mm (in)	±3.2 (±0.125)	—
Width Tolerance	mm (in)	±1.6 (±.063)	—
Nominal R-Value	—	4.18	ASTM C518
Water Vapour Transmission	Perms (ng)	>1.0 (87)	ASTM E96
Density (Type 2)	kg/m <sup>3</sup> (lbs/ft <sup>3</sup> )	23 (1.4)	ASTM D1622-03
Compressive Strength (Type 2)	kPa (psi)	136 (19.7)	ASTM D1621-04a
Long Term Thermal Resistance (LTTR)	Thermal Resistance Remains Stable Over Life of Service		
Flexural Strength (Type 2)	kPa (psi)	257 (37.3)	ASTM C203-05
Limiting Oxygen Index	%	26	ASTM D2863-97
Flame Spread	—	250	CAN/ULC - S102.2
Smoke Developed	—	410	CAN/ULC - S102.2

The information on this Technical Data sheet 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.



Tested By Canadian Accredited Laboratories. Supported By Building Science