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TECHNICAL DATA SHEET

ID. QT PV Connect
936 Connect
March 2021

Quik-Therm Perforated & Vented Connect

PV Connect Panel

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

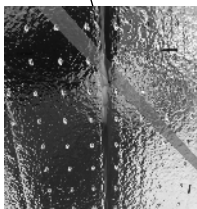
Tongue & Groove Connections

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



Battens

41 cm (16") or 61 cm (24") O.C.
1.9 cm (3/4") thick x 6 cm (2 1/2") x 244 cm (96")



Perforated Metallic Polymer Facers

with micro vertical, free air channels

Quik-Therm PV Connect is manufactured using Type 2 closed-cell expanded polystyrene (EPS) with advanced perforated metallic polymer facers. Located on the outboard side of PV Connect are micro vertical, free air channels spaced every 2 1/4" OC. These small channels allow bulk water to drain, dry or disperse between exterior cladding materials and the face of PV Connect panels. 3/4"x 2 1/2" wide plywood furring/nailing strips (battens) are embedded within the PV panels every 16" OC. The furring strips are hermetically heat sealed in place by the polymer facers.

The furring strips are mechanically connected through the insulation panels directly to wall framing studs/members, concrete or CMU. Cladding materials are fastened directly to the furring strips. PV Connect has been tested in accordance with CAN/ULC S-701. It 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. PV Connect does not contain dyes, formaldehyde or blowing agents. It may contain up to 15% recycled Expanded Polystyrene.

- Effective R-value tested to ASTM C1363: "Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies". Testing confirmed the 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". PV Connect is vapour semi-permeable. It's facers are perforated. Vapour diffuses naturally through the panels to the surrounding ambient air.
- Tested to ASTM E 2178: "Standard Test Method for Air Permeance of Building Materials". PV Connect qualifies as an air barrier material. Two samples were tested. One was a perfect specimen (no breaches), the other had 4 sq ft of film removed on one side of the panel and partially penetrated with small holes on the other.

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

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 ³ (lbs/ft ³)	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.



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