



1 888 735-3012
quiktherm.com

TECHNICAL DATA SHEET

ID. QT SDI
April 2019

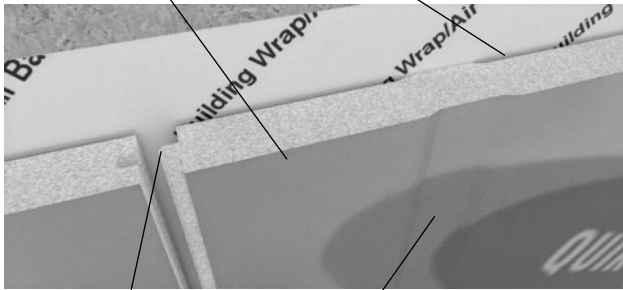
Quik-Therm Solar Dry (SDI)

Solar Dry Panel

1.2 m wide x 2.4 m long (4' x 8')
3.8 cm to 15 cm (1½" to 6") Thick

Drainage Plane

0.5 cm (3/16") deep x 33 cm (13") wide channels
allow walls to breathe, dry and drain



Furring Strip Channels

9 cm (3.5") channels every 40 cm (16")
help to pre-align furring strips over wall studs
to establish a code compliant rain screen

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 Solar Dry (SDI) is manufactured using Type 2 closed-cell expanded polystyrene (EPS) with advanced perforated metallic polymer facers. Located on the inboard side of SDI are drainage cavities that occupy 75% of its surface. These cavities allow walls to drain, dry and disperse moisture. On the outboard side, 1.9 cm (3/4") thick furring strips are mechanically fastened through SDI panels directly to framing members. The location for furring is identified by shallow depressions in SDI panels. 1.9 cm (3/4") thick furring between SDI panels and cladding achieves a code compliant rain screen. Cladding materials such as cement board cladding are fastened to the furring strips. Quik-Therm Solar Dry has been tested in accordance with CAN/ULC S-701. SDI 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. SDI 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".
- Tested to ASTM E96 "Standard Test Method for Vapor Transmission of Materials". SDI is semi-permeable. Walls drain & dry to the outside. Qualifies as a secondary WRB (Weather Resistive Barrier).
- Tested to CAN/ULC S101-14 "Standard Methods of Fire Endurance Tests of Building Construction and Materials". Up to six story wood frame. Maximum 15.24 cm (6") thick SDI. Special fasteners and installation details apply.

NOTE: For typical wall designs and Effective R-value ratings, please see back of page.

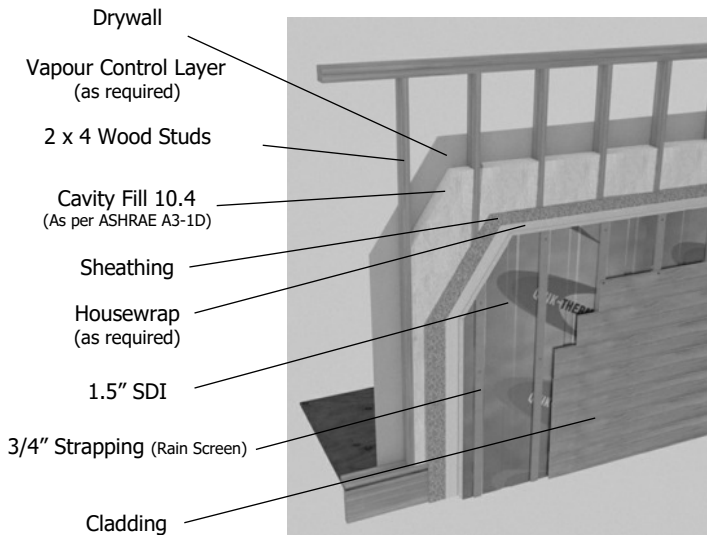
Characteristic	Units	Nominal Value	Test Method
Dimensional Stability - Maximum Linear Change	%	1.5	ASTM D2126
Length Tolerance	mm (in)	±3.2 (±0.125)	—
Width Tolerance	mm (in)	±1.6 (±.063)	—
Nominal R-Value	—	4.2	ASTM C518
Water Vapour Transmission	Perms (ng)	>1.0 (87)	ASTM E96
Density (Type 2)	kg/m ³ (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 Index	—	250	CAN/ULC - S102.2
Smoke Density Index	—	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.



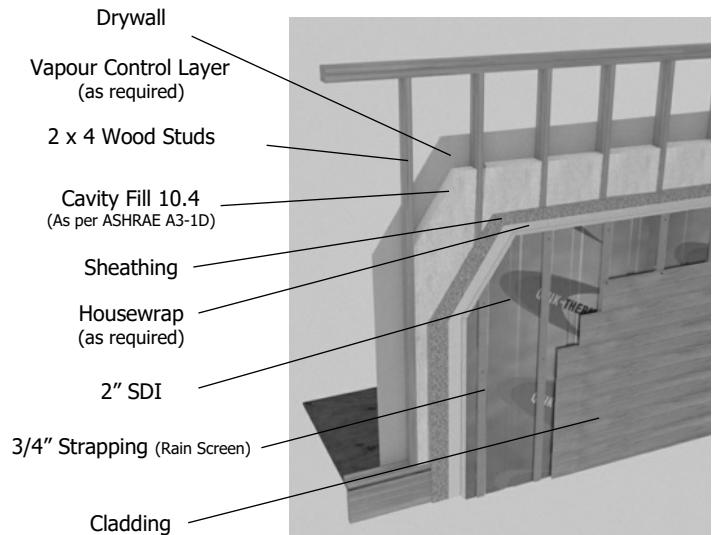
Tested By Canadian Accredited Laboratories. Supported By Building Science Engineering

Code Compliant Part 9



Effective R-20.5

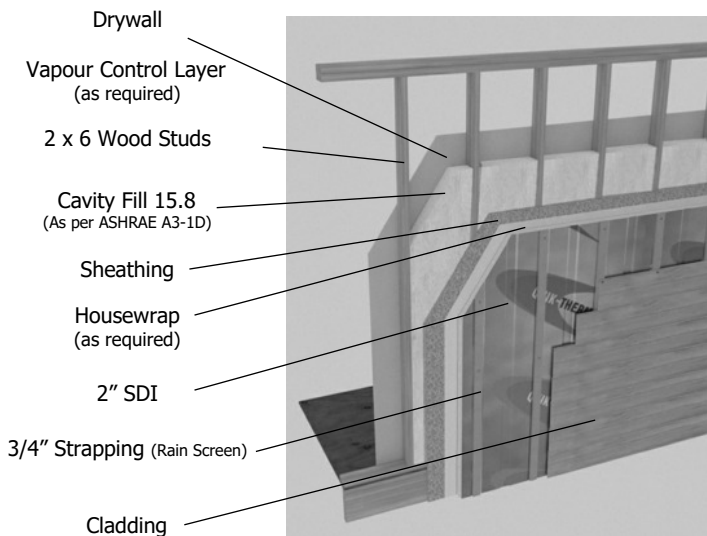
Code Compliant for Zones 5, 6, 7, 8



Effective R-22.1

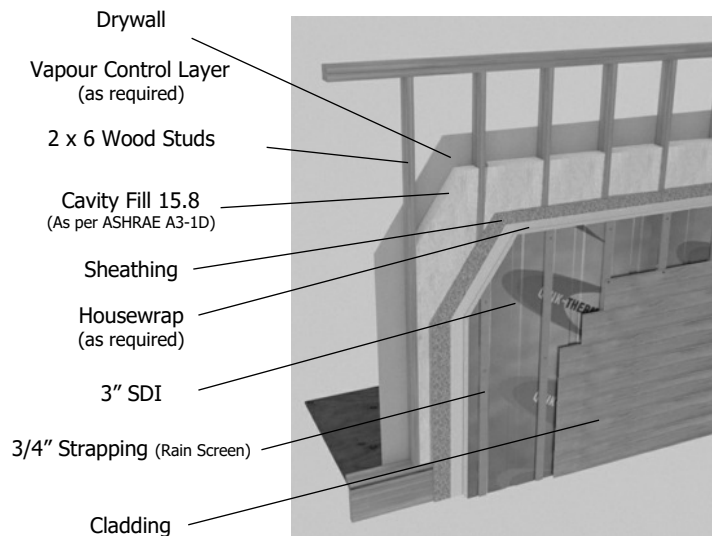
Code Compliant for Zones 5, 6, 7, 8

Code Compliant Part 3 / NECB 2011



Effective R-28.3

Code Compliant for Zones 5, 6, 7



Effective R-32.8

Code Compliant for Zones 5, 6, 7, 8