

### An Architectural Insulation Like No Other®

Tru-R 250 R-10 is an architectural insulation product having high compressive strength and R-value. Tru-R 250 R-10 is a premium grade insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality architectural insulation, namely:

**Strength** – Tru-R 250 R-10 has a high compressive strength of 25 psi.

**Energy Efficiency** – Tru-R 250 R-10 has a high R-value that never changes and is stable over time.

**Moisture Resistance** – Tru-R 250 R-10 is a closed cell insulation and is resistant to excessive moisture gain.

**Vapor Permeable** – Tru-R 250 R-10 allows moisture vapor to move through its structure.

**Drying Potential** – Tru-R 250 R-10 rapidly releases any small amount of absorbed moisture.

### Applications.

- Perimeter/Underslab
- Cavity Wall
- Wall Sheathing
- Precast Concrete Core
- Flat/Tapered Roofing
- Plaza Deck/Vegetative Green Roof
- Drainage Board
- Waterproofing Protection

### Proven to meet, or exceed, building codes.


Tru-R 250 R-10 is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40266-01.



Tru-R 250 R-10 meets Type IX of ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”.

### Identification.

Each sheet of Tru-R 250 R-10 is clearly marked with R-value, compressive strength, and building code compliance.

 <b>TRU-R 250 R-10</b>		
Compressive Strength <sup>1,2</sup> @ 10% deformation, min. ASTM D1621	psi (kPa)	25 (173)
R-value <sup>1</sup> , Thermal Resistance, ASTM C518	75°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W) 10.0 (1.76)
	40°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W) 11.0 (1.94)
Thickness	in (mm)	2 1/4 (57)
Density, Nominal ASTM C303	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	2.0 (32)
Flexural Strength <sup>1</sup> , min. ASTM C203	psi (kPa)	50 (345)
Water Vapor Permeance <sup>1</sup> max., perm ASTM E96		2.5
Water Absorption <sup>3</sup> , volume % ASTM C272		0.3
Flame Spread Index ASTM E84		<25
Smoke Developed Index ASTM E84		<450
Maximum long term use temperature		165°F (74°C)
ASTM C578 Compliance, Type		IX

<sup>1</sup> Please refer to ASTM C578 specification for complete information.

<sup>2</sup> Compressive strength is measured at 10 percent in accordance with ASTM C578. A safety factor is required to prevent long-term creep for sustained loads. For static loads, a safety factor of 3:1 is recommended.

<sup>3</sup> ASTM C272 24 hour immersion followed by 24 hour storage in 75°F/50% RH air.