

An Architectural Insulation Like No Other®

Tru-R 250 R-5 is an architectural insulation product having high compressive strength and R-value. Tru-R 250 R-5 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-5 has a high compressive strength of 25 psi.

Energy Efficiency - Tru-R 250 R-5 has a high R-value that never changes and is stable over time.

Moisture Resistance - Tru-R 250 R-5 is a closed cell insulation and is resistant to excessive moisture gain.

Vapor Permeable - Tru-R 250 R-5 allows moisture vapor to move through its structure.

Drying Potential - Tru-R 250 R-5 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-5 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-5 meets Type IX of ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".

Identification.

Each sheet of Tru-R 250 R-5 is clearly marked with R-value, compressive strength, and building code compliance.

 TRU-R 250 R-5		
Compressive Strength ^{1,2} @ 10% deformation, min. ASTM D1621	psi (kPa)	25 (173)
R-value ¹ , Thermal Resistance, ASTM C518	75°F	°F·ft ² ·h/Btu (°K·m ² /W) 5.0 (0.88)
	40°F	°F·ft ² ·h/Btu (°K·m ² /W) 5.5 (0.97)
Thickness	in (mm)	1 1/8 (29)
Density, Nominal ASTM C303	lb/ft ³ (kg/m ³)	2.0 (32)
Flexural Strength ¹ , min. ASTM C203	psi (kPa)	50 (345)
Water Vapor Permeance ¹ max., perm ASTM E96		2.5
Water Absorption ³ , 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

¹ Please refer to ASTM C578 specification for complete information.

² 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.

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