

Molded Polystyrene Insulation.

Tru-R molded polystyrene insulation is a cost effective, durable, and energy efficient solution for all types of insulation applications. Tru-R Insulation is an insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a quality insulation.

R-value - Tru-R 150 has an R-value that never changes over time.

Strength - Tru-R 150 has a compressive strength of 15 psi.

Moisture Resistance - Tru-R 150 is a closed cell polystyrene insulation and is resistant to moisture gain.

Vapor Permeable - Tru-R 150 allows moisture vapor to move through its structure.

Drying Potential - Tru-R 150 rapidly releases absorbed moisture.

Applications.


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

Proven to meet, or exceed, building codes.

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



Tru-R insulation meets Type II of ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".

|  | | |
|---|--|--|
| Compressive Strength ^{1,2} @ 10% deformation, min. ASTM D1621 | psi (kPa) | 15 (104) |
| R-value ¹ , Thermal Resistance, per inch, ASTM C518 | 25°F | °F·ft ² ·h/Btu (°K·m ² /W) 4.8 (0.84) |
| | 40°F | °F·ft ² ·h/Btu (°K·m ² /W) 4.6 (0.81) |
| | 75°F | °F·ft ² ·h/Btu (°K·m ² /W) 4.2 (0.74) |
| k-value Thermal Conductivity ASTM C518 | 25°F | Btu·in/°F·ft ² ·h (W/°K·m) 0.21 (0.030) |
| | 40°F | Btu·in/°F·ft ² ·h (W/°K·m) 0.22 (0.032) |
| | 75°F | Btu·in/°F·ft ² ·h (W/°K·m) 0.24 (0.035) |
| Density, Nominal ASTM C303 | lb/ft ³ (kg/m ³) | 1.5 (24) |
| Flexural Strength ¹ , min. ASTM C203 | psi (kPa) | 35 (242) |
| Water Vapor Permeance ¹ of 1.0 in. thickness, max., perm ASTM E96 | | 3.5 |
| 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 | | II |

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.