

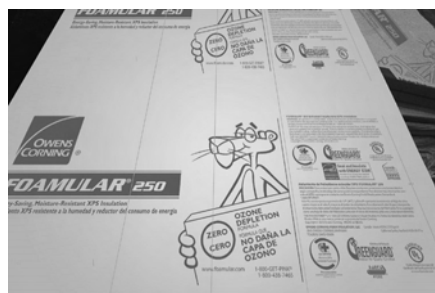


INNOVATIONS FOR LIVING®

FOAMULAR® 250

Extruded Polystyrene (XPS) Insulation

Product Data Sheet



Energy-Saving, Moisture Resistant XPS Insulation

ASTM C 578 Type IV, 25 psi minimum

- Excellent Long-term Stable Insulating Performance at R-5¹ per Inch
- 2010 Purchase Qualifies for Federal Tax Credit²
- Exceptional Moisture Resistance, Long-term Durability
- 20 Year Warranty — Maintains 90% of R-Value
- The *ONLY* XPS Foam to Meet GREENGUARD Indoor Air Quality® Limits
- The *ONLY* XPS Foam with Certified Recycled Content — Certified by SCS to Contain a Minimum 20% Recycled Content.
- Will Not Corrode, Rot or Support Mold Growth
- Zero Ozone Depletion Formula with 70% Less Global Warming Potential (GWP) less than our previous formula
- Recyclable and Reusable

FOAMULAR® 250 XPS Insulation Physical Properties¹

Property	Test Method ²	FOAMULAR® 250 XPS Insulation
Thermal Resistance, minimum ³ R, °F x ft ² x h/btu (RSI, °C x m ² /W) @ 75°F (24°C) mean temperature @ 40°F (4.4°C) mean temperature	ASTM C 518	5.0 (0.88) 5.4 (0.95)
Thermal conductivity, maximum, k, Btu x in/hr x ft ² x °F @ 75°F (24°C) mean temperature @ 40°F (4.4°C) mean temperature	ASTM C 518	0.20 0.18
Compressive Strength, minimum, lb/in ² (kPa) ⁴	ASTM D 1621	25 (173)
Flexural Strength, minimum, lb/in ² (kPa) ⁵	ASTM C 203	75 (517)
Water Absorption, maximum, % by volume ⁶	ASTM C 272	0.10
Water Vapor Permeance, maximum, perm (ng/Pa*s*m ²) ⁷	ASTM E 96	1.1 (63)
Dimensional Stability, maximum, % linear change	ASTM D 2126	2.0
Flame Spread ^{8,9}	ASTM E 84	5
Smoke Developed ^{8,9,10}	ASTM E 84	45-175
Oxygen Index, minimum, % by volume ⁸	ASTM D 2863	24
Service Temperature, maximum, °F (°C)	—	165 (74)

1. Properties shown are representative values for 1" thick material, unless otherwise specified.
2. Modified as required to meet ASTM C578.
3. R means the resistance to heat flow; the higher the value, the greater the insulation power. This insulation must be installed properly to get the marked R-value. Follow the manufacturer's instructions carefully. If a manufacturer's fact sheet is not provided with the material shipment, request this and review it carefully.
4. Values at yield or 10% deflection, whichever occurs first.
5. Value at yield or 5%, whichever occurs first.
6. Data ranges from 0.00 to value shown due to the level of precision of the test method.
7. Water vapor permeance decreases as thickness increases.
8. These laboratory tests are not intended to describe the hazards presented by this material under actual fire conditions.
9. Data from Underwriters Laboratories Inc.® classified. See Classification Certificate U-197.
10. ASTM E 84 is thickness-dependent, therefore a range of values is given.

- Lightweight, Durable Rigid Foam Panels Are Easy to Handle and Install
- Easy to Saw, Cut or Score
- Versatile Applications: Sheathing, Foundation Walls, Under Slab, Masonry Cavity Walls³

Product type

- Minimum compressive strength of 25 psi
- Wide selection of sizes and thicknesses
- Available in straight, tongue and groove, or scored square edge
- Compliant with building codes and standards

Description

Owens Corning™ FOAMULAR® 250 extruded polystyrene (XPS) insulation is a closed cell, moisture-resistant rigid foam board well suited to meet the need for a wide variety of building applications. FOAMULAR® 250 XPS insulation is ideal for many residential and commercial construction applications such as wall furring, perimeter/foundation, cavity wall, pre-cast concrete, under slab, crawl spaces, sheathing and other applications.³ FOAMULAR® 250 XPS insulation is classified as a Type IV product when tested in accordance with ASTM C 578 and provides a long-term thermal performance of R-5 per inch.