

INSULTHANE[®]

450 NM

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Insulthane 450 NM is a no mix two component open-cell spray polyurethane foam insulation that can be applied in a wide range of temperatures making it suitable for a variety of climate conditions. It features consistent and quality performance with easy no mix processing, meaning less downtime and higher job site efficiency.

Thermal Resistance

| Thickness (inch) | R-Value (°F-ft ² -h/Btu) |
|------------------|-------------------------------------|
| 1.0 | 4.1 |
| 2.0 | 7.7 |
| 3.5 | 13 |
| 4.0 | 15 |

Features



Reduces Air Infiltration



High Yield & Sprayability



Consistent Application



Easy to Prepare and Install

Physical Properties

| Attribute | Test | Results |
|--|------------|-------------------------|
| Density (Nominal) | ASTM D1622 | 0.5 lb/ft ³ |
| Open-Cell Content (Procedure 2) | ASTM D6226 | 97% |
| Dimensional Stability (Volume Change after 7 days) | ASTM D2126 | <5% @ 158°F & 97% RH |
| Water Vapor Transmission @ 2" | ASTM E96 | 9 US perms |
| Air Permeance | ASTM E283 | 0.02 L/s·m ² |
| Re-entry (worker) Re-occupancy | ASTM D8445 | 1 hour 2 hours |
| Material Listing | Intertek | CCRR-0396 |
| Colour | - | Cream |

Burn Characteristics

| Attribute | Test | Results |
|---|-------------------|-----------------------------|
| Flame Spread | ASTM E84 | 10 |
| Smoke Development | ASTM E84 | 450 |
| Surface Burning Characteristics @ 1" | ASTM E84 | Class 1 (A) |
| Unvented Attic Without Ignition Barrier | UVA | Walls 18" Roof 18" |
| Ignition Barrier (4 mils, DC 315) | AC 337 Appendix X | Walls 8" Ceiling 12" |
| Thermal Barrier | NFPA 286 | 15 min - 20 mils WFT DC 315 |

Application Areas

Interior walls, attics, floors, crawlspaces, ceilings

