

Closed-Cell Protection From Foundation To Roof Deck

THERMA-SHIELD® 2001 is a two-component, self-adhering spray polyurethane foam that creates seamless, closed-cell insulation. Formulated with a low-GWP HFO blowing agent, this low-VOC system combines thermal performance, air control, and moisture resistance for residential and commercial construction. Its broad application range includes wall cavities, roof-deck undersides, foundations, and under-slab insulation. Process only with IPS A-Side (ISO), following project-specific application and assembly requirements for each installation.

DEFINING EXCELLENCE THROUGH INNOVATION

HIGH THERMAL RESISTANCE

Delivers R-7.4 at one inch under ASTM C518 testing, with published thermal values at additional thicknesses for planning the specified insulation assembly.

CLOSED-CELL MATERIAL STRENGTH

More than 90% closed-cell content combines with 45 psi tensile strength, offering documented material properties for residential, commercial, foundation, and under-slab insulation applications.

AIR AND VAPOR CONTROL

Qualifies as air-impermeable insulation at one-half inch and a Class II vapor retarder at one inch, supporting air and moisture control in building assemblies.

FLOOD AND FUNGAL RESISTANCE

Identified as a FEMA Class 5 flood-resistant material, with no fungal growth in ASTM C1338 testing and water-resistance results documented in the TDS.

R-7.4

THERMAL RESISTANCE

At 1 in. thickness · ASTM C518

0.74 perms

VAPOR PERMEANCE

At 1 in. thickness · ASTM E96

28 psi

COMPRESSIVE STRENGTH

ASTM D1621

APPLICATIONS

- Walls & Rim Joists
- Foundations & Crawl Spaces
- Attics & Roof Decks
- Under-Slab Insulation

Follow the current TDS, application guide, component SDSs, and project-specific code and barrier requirements.

Talk with IPS about your project.

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