



THERMA - LOK® | 504X

OPEN-CELL SPRAY FOAM INSULATION

Open-Cell Insulation For Comfortable Interiors.

THERMA-LOK® 504X is a two-component open-cell spray polyurethane foam for residential and common commercial interiors. It combines thermal insulation, air sealing, and sound control in a non-fibrous material compatible with common construction substrates. With a core density of 0.5-0.6 lb/ft³ and reported bio-based content of 14%, this system is processed only with IPS A-Side (ISO). Continuous resin mixing is required.

DEFINING EXCELLENCE THROUGH INNOVATION

AGED THERMAL PERFORMANCE

Provides aged R-4.0 per inch below 3.5 inches total thickness and R-3.6 per inch at 3.5 inches or greater.

SOUND CONTROL

Its open-cell, non-fibrous structure supports sound-control applications in homes and commercial interiors. Performance depends on the construction and installed assembly.

AIR CONTROL AT 3.5 INCHES

Qualifies as air-impermeable insulation at 3.5 inches under ASTM E2178, helping control air movement through the insulation layer.

MEASURED BIO-BASED CONTENT

Reported bio-based content of 14% under ASTM D6866 provides a documented material attribute for project teams specifying insulation systems.

R-4.0 / in.

BELOW 3.5 IN. THICKNESS

R-3.6/in. at 3.5 in. or more · ASTM C518

0.5-0.6

CORE DENSITY · LB/FT³

Core center, 4 in. pass · ASTM D1622

14%

BIO-BASED CONTENT

ASTM D6866

APPLICATIONS

- Residential interiors
- Commercial interiors
- Attic assemblies
- Crawl-space assemblies

Not for exterior roofing. Cold-storage use requires a structure professionally designed for that use. Continuous resin mixing is required. Confirm attic/crawl-space assemblies with IPS; follow the current TDS, application guide, component SDSs, and required thermal/ignition protection.

Talk with IPS about your project.

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