EnergyShield® Continuous Wall Insulation

DID YOU KNOW?

INTERIOR EXPOSED APPLICATIONS

IBC Section 2603.10 | IRC Section R303.5

Did you know that EnergyShield® Pro polyiso insulation is approved for exposure in occupied interior spaces without requiring a thermal barrier?

Building codes require foam plastic insulation to be separated from occupied interior spaces by a thermal barrier. These requirements limit the risk of fire spread if foam plastic is exposed to flame.

In occupied interior spaces, the required thermal barrier is a separate material layer that limits temperature rise on the back side when exposed to high heat on the front for 15 minutes. The material most often installed over foam plastic insulation separating it from the occupied interior building space is ½" gypsum board, commonly called a "15-minute thermal barrier."

Polyiso proves its worthiness for use with full-scale burn testing.

Under IBC Section 2603.10 and IRC Section R303.5, which govern interior exposed applications in the occupied parts of a building, foam plastic is installed on walls or ceilings of a standard test room and subjected to a full-scale burn test per one of the recognized standards: NFPA 286, FM 4880, UL 1715, and UL 1040.

These test standards are considered equal under the code for granting interior exposure approval. Foam plastic products that pass any of these tests may be installed in buildings in the same configuration as tested, with no thermal barrier required between the insulation and the occupied interior space.

EnergyShield® Pro Continuous Wall Insulation

Approved for Occupied Interior Spaces

EnergyShield Pro has been tested per IBC Section 2603.10 and IRC Section R303.5 and is approved for installation on walls only or ceilings only[1] in occupied interior spaces with no thermal barrier required.

This is a meaningful code advantage. Installing EnergyShield Pro in an interior exposed application eliminates the need for a thermal barrier layer; no additional finishing layer is necessary. This offers builders and contractors an opportunity to reduce both material cost and installation time while supporting code-driven energy efficiency goals.

[1]NOTE: The approval for EnergyShield Pro covers installation on walls or ceilings in occupied spaces, not simultaneously, in the same space. For additional information, reference DrJ TER 1306-03 and ICC-ESR 1375.

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