

Storage Recommendations for EnergyShield® Polyiso Wall Insulation

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*SUPERSEDES EXISTING DOCUMENTS

EnergyShield Polyiso Wall Insulation products are manufactured with enhanced moisture resistance that allows them to be exposed to environmental factors like water with no long-term detrimental impact on their performance. In fact, EnergyShield can be installed to function as a Water-Resistive Barrier providing an effective drainage plane within the wall assembly. Consideration of the following guidelines for storage and handling of material are intended to properly protect product from damage prior to installation.

The information in this bulletin expressly excludes AC Foam Polyiso Roof Insulation products. Additional storage and handling information for AC Foam can be found in Technical Bulletin #12.

GENERAL STORAGE RECOMMENDATIONS:

EnergyShield products are supplied in 4-foot shrouded bundles that may be safely stacked up to four high for 16 foot high stacks. Because of the low friction facers on the product, individual sheets must be stacked no more than 10 feet high for worker safety.

Shrouded bundles can accommodate outdoor storage, but care must be taken to protect the material from wind due to the light weight of the panels. In high wind areas, outdoor storage is not recommended without proper tie-down or other secured systems. Bundles must not be stored where standing water could float the material or cause bundles to tip over.

As a combustible foam plastic, certain jurisdictions in high population centers may restrict storage height or mandate special high volume flow fire suppression systems for indoor storage above 10 feet for EnergyShield products. Consult local fire marshal or other public safety officials for applicable restrictions.

CONDITIONS TO AVOID:

EnergyShield products contain flame-retardants designed to extinguish flames in the event of ignition, but they are combustible materials. Care must be taken to avoid exposure to open flames, welding, sparks, or other sources of ignition.

The polyiso core of EnergyShield products may be discolored by ultraviolet (UV) light exposure over long periods of time. This is generally limited to darkening of the exposed edges and is not a cause for defect or material rejection. The facers of EnergyShield products may degrade by fading if stored in UV exposed conditions for longer than 3 months, so it is recommended the material be protected with an opaque cover.

EnergyShield products are generally tolerant to solvents and fumes, such as gasoline, fuel oil, acetone, solvent-based mastics, and will not degrade or melt from exposure, nor will they melt if exposed to sunlight or high heat.

While EnergyShield is water-resistant, standing water in a stored stack of horizontal boards can freeze making sheets hard to separate and marring the branded surfaces. Any accumulated water will drain from boards when tilted vertical for installation. To assist installation, handling, and sealing, when required, keeping the product dry is required.