



EnergyShield® Products Compliance as a Water-Resistive Barrier

ISSUED:	09/15/2023
*UPDATED:	N/A
PAGES:	02

*SUPERSEDES EXISTING DOCUMENTS

Atlas EnergyShield® Continuous Wall Insulation Products are polyisocyanurate foam plastic insulation sheathing with hydrophobic closed-cell structure and durable facers. When installed with approved joint sealing components, they offer added protection as a code compliant water-resistive barrier (WRB) system in an exterior wall assembly.

The International Building Code (IBC) and International Residential Code (IRC) identify provisions for use of foam plastic insulation as a WRB in the following sections¹:

- IBC Section 1402.2 Water-resistance.
- IBC Section 1403.2 Water-resistive barriers.
- IBC Section 104.11 Alternative materials, design and methods of construction and equipment.
- IRC Section R703.2 Water-resistive barrier.
- IRC Section R703.1.1 Water-resistance.
- IRC Section R104.11 Alternative materials, design and methods of construction and equipment.

ICC Evaluation Service (ICC-ES) has established requirements outlined in Acceptance Criteria (AC) 71, “Foam Plastic Sheathing Panels Used as Water-Resistive Barriers,” that recognizes foam plastic insulation and associated joint-sealing treatments and methods for compliance as an approved alternative material to a traditional sheet- or fluid-applied WRB.

The following Atlas EnergyShield Products installed with a joint-sealing treatment have been successfully evaluated in accordance with AC71 by an accredited third party testing facility as referenced in DrJ TER 2202-01 and meet the requirements prescribed in the current IBC and IRC. The water-resistive barrier system is defined by combining an EnergyShield product listed in Table 1 with an approved joint sealing product listed in Table 2, and must be installed in accordance with written instructions per product manufacturer(s) and DrJ TER 2202-01.

TABLE 1. Atlas Foam Plastic Insulation Polyiso Products

EnergyShield®	EnergyShield® CGF	EnergyShield® Pro	EnergyShield® CGF Pro	EnergyShield® XR
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TABLE 2. Approved Joint Sealing Products²

Manufacturer	Brand Name
3M	All Weather Flashing Tape 8067
	Venture Tape™ Duct Tape 1599B
	Venture Tape™ Aluminum Foil Tape 1519CW
	Venture Tape™ Aluminum Foil Tape 1520CW
	Venture Tape™ Aluminum Foil Tape 1521CW
Carlisle	Barribond HP Liquid Flashing
DuPont	Weathermate™ Construction Tape
GCP Applied Technologies	Perm-A-Barrier® Aluminum Flashing
	Perm-A-Barrier® Detail Membrane
	Perm-A-Barrier® Liquid Flashing
	Perm-A-Barrier® Wall Flashing
Henry	Blueskin® Butyl Flash
	Blueskin® SA
Huber Engineered Woods	ZIP System™ Flashing Tape
	ZIP System™ Stretch Tape
	ZIP System™ Liquid Flash
IPG	UL723 Cold Weather Aluminum Foil Tape
Protecto Wrap®	Super Stick Building Tape®
	Protecto Seal 45 Butyl
	BT20XL Butyl Window & Door Sealing Tape
	BT25XL Window & Door Sealing Tape
Siga	Wigluv®
	Wigluv® Black
Siplast	WALLcontrol™ STPE Liquid Flashing
Sto	RapidGuard™ Liquid
Tremco	Dymonic® 100
Universal Tape	UT-40 Seam Sealing Tape

¹ Referenced sections are from the 2021 version of the codes and standards. This material and system of construction complies with prior versions of the referenced codes and standards as referenced therein.

² The materials noted are approved for sealing joints to create a code compliant WRB system when installed accordingly with EnergyShield Products. Other compatible joint sealing materials, and materials used to flash through wall penetrations and fenestration, may be used at the designer's sole discretion and installed in accordance with all recommendations and requirements of respective manufacturers. This information is subject to revision without notice. It is the user's responsibility to confirm product(s) are still applicable and stated within TB-15 and TER 2202-01 at the time of installation.

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