



Aluma Flash™ PLUS

Product Information Sheet

Poly Wall® Building Solutions is an innovator of high-quality, cost-effective, engineered building materials. We stand behind our brand promise — **Moisture and Air Stop Here®**. Visit our website at www.poly-wall.com for the full array of products.

DESCRIPTION

Aluma Flash™ PLUS is rubberized-asphalt sheet air barrier membrane, laminated to two layers of high strength polyethylene film, with a top protective layer of aluminum. The membrane is supplied in rolls, with an easy to remove film release sheet, for simple application.

USES

Aluma Flash™ PLUS is designed to be used as an impermeable wall sheet air barrier and a repair flashing. *Not intended to be used as a roofing material.*

ADVANTAGES

- Resists sunlight and most chemicals.
- UV resistant for up to two years.
- Weather-resistive barrier (WRB).
- Superior adhesion.
- If the building moves slightly, this elastomeric material will stretch and not tear.
- Fast and simple to install.

INSTALLATION

The **sequence** of installation is:

1. Substrate must be clean, dust free, smooth, and dry.
2. Apply Home Stretch WB Liquid Adhesive to clean and dry substrate at a rate of 350 - 400 SF / Gal, or apply Polybond Clear Liquid Adhesive applied at a rate of 250 - 300 SF / Gal.
3. Cut the sheet to size with utility knife.
4. Put the membrane in place along where you wish to install it.
5. Pull back a couple of inches of release film from one end, exposing the adhesive surface. Now place the adhesive surface onto the exact area where you wish to install it.
6. With one end now in place, pull back the release film along the roll slowly. As you expose more adhesive, place the membrane onto the surface. Go slowly at first; you can speed up as you get a feel for how this material works.
7. When you reach the end of the first section, go back over the surface to make sure that all areas have been rolled down to achieve 100% surface contact. Small wrinkles should be pressed down. Large wrinkles should be cut out and repaired with another piece of material.
8. When installing the next two rolls, be sure to overlap rolls 4" end overlap and 2.5" side laps.
9. Completely cover the Aluma Flash Plus air barrier membrane with exterior finishes / cladding within two years of the air barrier installation.

WHY USE POLY WALL® ALUMA FLASH™ PLUS?

- 60+ years of successful air barrier experience.
- Our aluminum backing provides enhanced UV protection and exposure of up to 2 years.
- Poly Wall is an employee owned company, where employees expect more of themselves and the company.
- Made in the USA.
- See more online, visit us at www.poly-wall.com.

STORAGE

Clean and dry inside storage is recommended. If you will be installing the material in cool-er weather, it's a good idea to store the material inside at room temperature for 24 hours prior to installation. Keeping the roll warm will improve the adhesiveness of the material when you install it.

CONSIDERATIONS

- When primers are used, read their directions for any limitations.



Aluma Flash™ PLUS (40 mil)

ROLL SIZES	ROLLS/BX	SF/BOX	LBS/BOX	BOXES/PALLET
6" x 75'	6	225	68	36
9" x 75'	4	225	68	36
12" x 75'	3	225	68	36
36" x 33.3'	1	100	31	42

Aluma Flash™ PLUS Properties

PROPERTY	TEST METHODS	RESULTS
Thickness - mils		40
Water Vapor Transmission US perms (g/Pa-s-m ²)	ASTM E 96 B	0.00 Perms
Peel Adhesion to Primed - lb/in.width (N/mm)	ASTM D 1000	15.0
Tensile Strength Film - PSI (N/mm ²)	ASTM D 882 (Method A)	5000
Elongation - Ultimate Failure of Rubberized Asphalt - %	ASTM D 412 (Modified Die C)	> 800%
Low Temperature Pliability @ -15 deg F (-26 deg C)	ASTM D 146 (Modified)	no effect
Service Temperature		-40° F - 160°F (-40°C - 70°C)
Air Permeance - Concrete	ASTM E 2178	0.0005 cfm/sf
Air Permeance - Densglass	ASTM E 2178	0.0005 cfm/sf
Nail Sealability	ASTM D 1970	Pass
Peel Adhesion - Concrete	ASTM D 903	9.51 lbs/in-width
Peel Adhesion - Densglass	ASTM D 903	9.51 lbs/in-width
Lap Peel Adhesion	ASTM D 1876	4 lbs/in-width
Evaluation of Fire Propagation of Building Materials	NFPA 285	Compliant*

*related to specific assemblies

LIMITATIONS: For temperatures between 40° F and 25° F, test for adhesion at the start of the job to see if there is sufficient adhesion. If not, follow instructions under storage, and wait until warmer temperatures. Use of a hot air gun, or use of a liquid adhesive, such as Polybond Clear Liquid Adhesive, can improve adhesion at lower temperature.

LIMITED WARRANTY: Poly Wall Building Solutions will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of 1 year from date of purchase. Poly Wall Building Solutions will not be liable for any other claims or damages, whether direct or indirect, including consequential damages or incidental damages.



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