AIRLOK® STPE WRB FLASH-N-ROLL

Fluid-Applied Air & Water Resistive Barrier

Product Data Sheet

Per regulations of all states

PRODUCT NAME

Airlok® STPE WRB Flash-N-Roll

MANUFACTURER

Polyguard Products, Inc.
Ennis, TX 75119
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www.polyguard.com

PRODUCT DESCRIPTION

BASIC USES

Typical applications include rough opening and other above-grade flashings.

PRODUCT FEATURES

- Airlok® STPE WRB System is a Silyl Terminated Polyether (STPE), which is a high performance coating providing extended service life in wall cavities.
- Compliant with NFPA 285 in most wall assemblies.
- Airlok® Flash-N-Roll is 100% solids and < 23 g/l VOC.
- Flash-N-Roll may be left exposed to the sun's ultra violet (UV) rays for a period up to twelve (12) months.
- Single-component; ease of application with no need for mixing.
- Does not provide a food source for biological growth, such as mold.
- Existing cured membranes readily receive additional application creating a monolithic transition.
- Flash-N-Roll may be applied in ambient temperatures from 25°F (-3°C) up to 110°F (44°C). (Cure times may vary relative to temperature).
- Being 100% solids and moisture reactive, Flash-N-Roll is resistant to wash-off during rain events extending the application time relative to inclement weather.

COMPOSTITION & MATERIALS

Airlok® Flash-N-Roll is a single-component, cold-fluid-applied, Silyl Terminated Polyether (STPE) fluid-applied air barrier and/or flashing material; that combines the best of silicone and polyurethane properties.

TECHNICAL DATA

See physical properties table.

INSTALLATION

SURFACE PREPARATION

Apply to clean, structurally sound and dust free substrates Airlok® Flash-N-Roll can be applied to damp substrates which are clear of detectable surface water, frost, ice or snow. Refer to the Airlok® STPE WRB Installation Guide and the standard details for additional instructions.

PRIMING

No primer is needed, except for cut edges of gypsum sheathing; refer to the Airlok® STPE WRB Installation Guide. For best results, apply Airlok® Flash-N-Roll directly to clean, structurally sound, and dust free substrate surfaces.

EXPANSION JOINT DETAILING

Generally, apply Detail Sealant PW™ to joints at half the depth to the width and radius cove in corner joints. Detailing can be performed before or after application of Airlok® Flash-N-Roll. If detailing is performed before the field or flashing application, then allow the Detail Sealant PW™ to skin over before applying the Flash-N-Roll. Refer to the Airlok® STPE WRB Installation Guide and the standard details for additional instructions.

NON-EXPANSION JOINT DETAILING

Generally, apply Airlok® Detail-N-Joint to board joints, butt joints or transition joints up to a 1/4-inch as a detail stripe of 2-inches wide centered over joint by a nominal tooled surface thickness of a 25-mils. Apply a cove bead and tool to a radius in corner joints at a minimum of 1/2-inch. Detailing can be performed before or after application of Airlok® Flash-N-Roll. If detailing is performed before the field or flashing application, then allow the Detail-N-Joint to skin over before applying the Flash-N-Roll. Refer to the Airlok® STPE WRB Installation Guide and the standard details for additional instructions.

APPLICATION

Flashing: The Airlok® Flash-N-Roll can be applied before or after the Airlok® Spray-N-Roll and/or detailing with either Airlok® Detail-N-Joint and/or Detail Sealant PW™. Flash-N-Roll can be applied without the application of Spray-N-Roll. If detailing is performed after flashing application, ensure that the Flash-N-Roll is fully cured before detailing. Do not dilute or mix the Flash-N-Roll.

For flashing application in one coat, to achieve a continuous film at the desired 25 mils dry, apply at a theoretical coverage rate of 64 square feet per gallon (25mils wet). Additional material may be necessary on rougher or more porous substrates. Apply Flash-N-Roll at a minimum of 3-inches onto each surface at a change of plane.

Membrane: Generally, apply Flash-N-Roll for field application in one coat; by means of a roller or brush; to achieve a continuous film at the desired 20 mils dry, apply at a theoretical coverage rate of 80 square feet per gallon (20 mils wet).

Allow approximately 6 hours for the Flash-N-Roll to cure before continuing work on the surface. Allow additional time for low humidity climates. For arid climates, curing process can be accelerated with the application of a fine mist of fresh water.

Flash-N-Roll can be utilized in combination with Polyguard sheet membranes and flashings before or after installation. Refer to the Airlok® STPE WRB Installation Guide and the standard details for additional instructions.

MEMBRANE/FLASHING REPAIR

In the case of damaged Airlok® Flash-N-Roll, the area can be repaired by cleaning the surface with denatured alcohol and applying new material. No primer or bonding agent required.

LIMITATIONS, PROTECTION & CLEAN UP

1) For periods of ultra violet (UV) exposure greater than 12 months, contact Polyguard to inspect the Airlok® Flash-N-Roll condition.
2) Protect all surfaces from spilling or dripping that are not intended for coverage. If this occurs, immediately clean up with mineral spirits or similar solvent.
3) Clean all tools and equipment immediately after use with mineral spirits or similar solvent.

STORAGE

Store Airlok® STPE WRB system components as follows;

1) Protect from water, sparks, flames, excessive heat, and poor ventilation.
2) Keep out of direct sunlight.
3) Store in ambient temperature range between -10°F (23°C) and 100°F (38°C).
4) For best application results, store in ambient temperatures above 50°F (11°C).
5) Store in compliance with local governing regulations.

SAFETY

SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at (214) 515-5000 with questions.

WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact Polyguard Products, Inc. for further details.

TECHNICAL SERVICES

Technical assistance, information and Polyguard's products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.

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PROPERTY	TEST METHOD	TYPICAL VALUE
COLOR		Gray
AIR LEAKAGE & DURABILITY	ASTM E 2357	0.0016 cfm/ft^2
AIR LEAKAGE	ASTM E 283	0.0011 cfm/ft^2
STRUCTURAL PERFORMANCE	ASTM E 330	Pass
WATER INFILTRATION	AAMA 501.2	Pass
WATER PENETRATION	ASTM E 331	Pass
ADHESION TO DENSGLASS	ASTM D 4541	> 136 PSI
ADHESION TO CONCRETE	ASTM D 4541	> 210 PSI
TENSILE STRENGTH	ASTM D 412	100 PSI
HARDNESS, SHORE A	ASTM D 2240	45
ELONGATION	ASTM D 412	300%
TEAR STRENGTH	ASTM D 1004	60 PSI
SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS	ASTM E 84-94; NFPA 255; ANSI 2.5; UL 723 Omega 1995	20 -Flame Spread Index 10 – Smoke Development
EVALUATION OF FIRE PROPOGATION CHARACTERISTICS	NFPA 285	Compliant*
VOC		< 23 g/l

*Related to specific assemblies

PACKAGING	*PART NUMBER*	*UNIT SIZE*
AIRLOK® STPE WRB FLASH-N-ROLL	AIRLOK STPE 2400-2 GAL	2-gallon pail
	AIRLOK STPE 2400-5 GAL	5-gallon drum