



Aussie Shield™ 300-PLF

Permeable Liquid Flashing (Air Barrier) Silyl Terminated Polymer (STP) Technology

Section 072726
Fluid-Applied Membrane Air-Barrier

Product Name

Aussie Shield™ 300-PLF

**Permeable Liquid Flashing (Air Barrier)
Silyl Terminated Polymer (STP) Technology**

By

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

Aussie Shield™ 300-PLF is a one-component Silyl Terminated Polymer sealant intended for use as a permeable liquid applied flashing product. **Aussie Shield 300-PLF** is solvent free, isocyanate free, and bonds to most common building materials without priming. It forms a seamless flexible barrier that prevents penetration of unwanted water and air through the building envelope while being breathable to allow damp surfaces to dry. It may be exposed to UV light and weather for up to 12 months.

Where to Use

Aussie Shield 300-PLF May be used around windows, penetrations and other irregular surfaces. May be applied over Fiberglass Faced Gypsum Board, OSB, Plywood, Concrete and other common substrates.

Aussie Shield 300-PLF adheres well to a wide variety of substrates, generally with no primer required. It can bond to damp substrates and cure in wet weather.

Substrate Preparation

Bonding surfaces must be structurally sound, clean, free of oxidation, mill oils, wax, and release agents that may interfere with adhesion. Surfaces may be damp/wet, but must be free of standing or ponding water.

Application

The recommended application thickness is 12-15 wet mils. At this thickness, the estimated coverage is 15 - 25 sq ft per 20 oz sausage. Substrate will impact coverage rate. Surfaces must be clean and free of contaminants. It is recommended to test substrate compatibility with the **Aussie Shield 300-PLF** prior to full application. Curing/drying times will vary based on temperatures, Humidity and other factors.

For additional extreme weather application information, please reference the Aussie Shield™ Air Barrier System Installation Guide or Tech Bulletin 300: Aussie Shield 300 Surface & Air Temperature Guideline.

For installation details and further information regarding AVM's Pre-Treatment and Post-Treatment methods, please see the Aussie Shield™ Air Barrier System Installation Guide.

If your project requirements do not conform to the above requirements, please contact your local AVM rep for further instructions.

Limited Warranty

For complete warranty details, contact AVM Industries or consult with your applicator. AVM Industries, Inc., warrants this product to be free from defects. TO THE MAXIMUM EXTENT ALLOWED BY LAW, AVM INDUSTRIES DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS TO SUPPLY SUFFICIENT PRODUCT TO RE-TREAT THE SPECIFIC AREAS TO WHICH THE DEFECTIVE PRODUCT HAS BEEN APPLIED. AVM INDUSTRIES DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for its intended use prior to using it. Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase.

Legal Disclaimer

All information contained herein is believed to be accurate as of the date of publication, is provided "as-is" and is subject to change without notice. This is not a warranty, an agreement, or substitute for expert or professional advice. AVM Industries expressly disclaims and assumes no liability for the use of the products or reliance on this information. It is the sole responsibility of the user to determine the suitability of any products for the user's application(s).

Delivery, Storage, and Handling

- Delivery of the **Aussie Shield 300-PLF** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Shelf Life: Eighteen months in an unopened package from date of manufacture when stored at 41°F to 86°F (5°C to 30°C) with 50% relative humidity. High temperature may significantly reduce shelf life. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.

Quality Control

- Visually inspect all coated surfaces to ensure a full and proper application, especially at penetrations, seams, corners, drainage footings and other hard-to-reach areas.
- All unsatisfactory areas shall be repaired prior to final acceptance.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

Product Specifications

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.avmindustries.com for the Safety Data Sheet and pertinent documentation.

Description	Results
Basic Composition	Silyl Terminated Polymer (STP) Technology
Application Temperature	-10°F (-23°C) to 110°F (43°C)
Application Thickness	12-15 Mils
Hardness, Shore A (ASTM C661)	25-35
Tensile Strength (ASTM D412)	>120 PSI
Elongation at Break (ASTM D412)	>300%
Water Vapor Transmission (ASTM E96)	13.6 Perms
Total Solids	>97%

AAMA 714-19: Voluntary Specification for Liquid-Applied Flashing used to Create a Water-Resistive Seal around Exterior Wall Openings in Buildings

Test	Criteria	Results
Adhesive Strength to Substrates (ASTM C794)	≥5 pli	Pass
Water Penetration Around Nails (ASTM D1970)	Shall pass 1.2 in (31 mm) of water	Pass
Accelerated UV Aging (ASTM G254, ASTM C794)	≥5 pli	Pass
Elevated Temperature (AAMA 711, ASTM C794)	≥5 pli	Pass
Thermal Cycling (AAMA 711, ASTM C794)	≥5 pli	Pass
Crack Bridging (ASTM C1305)	Water holdout of 550mm for 24hr with 1/16" crack	Pass
Water Immersion (AAMA 711, ASTM C794)	≥5 pli	Pass
Water Vapor Permeability (ASTM E96)	≥10 perms at recommended thickness	Pass

ASTM E84: Surface Burning Characteristics (Class A)

Test	Criteria	Results
Flame Spread	≤25	5
Smoke Developed	≤450	10

Packaging

Item/Component	Item Size	Qty / Box	Qty per Pallet	Weights			VOC
				Each	Box	Pallet	
Aussie Shield 300 PLF	20 oz (600 ml)	12 Sausages	45 Boxes / 540 Sausages	2.0 lbs.	24.4 lbs.	1098 lbs.	<20 g/l

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

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Quality Waterproofing Products



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