



## 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.  
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#### 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.

Application temperatures: -10°F (-23°C) to 110°F (43°C)

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

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#### Limited Warranty

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#### Legal Disclaimer

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#### 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](http://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](http://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 BIM (revit), CAD or PDF, please visit our website at [www.avmindustries.com](http://www.avmindustries.com).

Approval(s): <https://www.avmindustries.com/approvals/>  
Learn more about the detailed standards our products meet for approvals by various US or International Agencies or Code Councils

Patent(s): <https://www.avmindustries.com/patents/>  
Some features of our product or assembly may be protected under one or more US or International Patent(s)

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