



Listing Report 1627 (e)

BARRICADE® Roofing Underlayment UDL ONE Barricade Building Products Division of Specialty Coating and Laminating, LLC

Initial Acceptance Date: May 15, 2020

Expiration Date: February 2, 2023

Revision Date: February 2, 2021

TYPE OF ACCEPTANCE:

Product Material – Roofing Underlayment

MANUFACTURER IDENTIFICATION:

Barricade Building Products
Division of Specialty Coating and Laminating, LLC
10351 Verdon Road
Doswell, Virginia 23047
1-804-876-3135
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LISTING REPORT SUBJECT:

Roofing Underlayment (**Barricade UDL ONE**)
Installation on Residential and Commercial Structures

DESCRIPTION OF BUILDING COMPONENT:

Barricade UDL ONE underlayment is a synthetic membrane that is used as a roofing underlayment. The roofing underlayment is produced in rolls between 4 feet and 8 feet wide.

APPLICABLE CODES:

- 2017 Florida Building Code, 6th Edition (Commercial and Residential)
- 2020 Florida Building Code, 7th Edition (Commercial and Residential)

APPLICABLE CHARACTERISTICS REVIEWED: (ASTM D226 Type I and II, ASTM D4869 Type II and IV)

- ASTM D146/D146M-04 (reapproved 2012), *Standard Test Method for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing*
 1. *Pliability*
 2. *Loss on Heating*
 3. *Breaking Strength*
- ASTM D226/D226M-09, *Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing*
- ASTM D1682-64 (Reapproved 1975), *Standard Test Methods for Breaking Load and Elongation of Textile Fabrics (Withdrawn 1992)*
- ASTM D1922-15, *Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method*.
- ASTM D4533 (2015), *Standard Test Method for Trapezoid Tearing Strength of Geotextiles*
- ASTM D4869/D4869M-2016, *Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing*

- ASTM F1087–02 (Reapproved 2009), *Standard Test Method for Linear Dimensional Stability of Gasket Material to Moisture*, as modified by ASTM D4869/D4869M–15

APPLICABLE USES:

Barricade UDL ONE underlayment is intended for use in commercial and residential construction according to manufacturer's installation instructions and is an alternate to ASTM D226 Type I, ASTM D226 Type II, and ASTM D4869 Type II or Type IV. The underlayment must be installed over a sheathing material and must be attached using mechanical fasteners.

LIMITATIONS OF ACCEPTANCE:

The **Barricade UDL ONE** underlayment described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in APPLICABLE COD ONE ES of this report, subject to the following conditions:

1. This product must be installed in accordance with manufacturer's installation instructions, limitations in this report and the State of Florida Building Code. When manufacturer's installation instructions differ from this report, this report governs.
2. The **Barricade UDL ONE** underlayment is limited to the evaluation of this report and was not evaluated as a component of a fire-resistance-rated assembly.
3. The **Barricade UDL ONE** underlayment is not evaluated for installation in High Velocity Hurricane Zones (HVHZ).
4. The **Barricade UDL ONE** underlayment cannot be installed on roof construction that is less than a slope of 2:12.
5. The **Barricade UDL ONE** underlayment must be manufactured at the plants as indicated in this report.
6. The **Barricade UDL ONE** underlayment must only be installed and used in applications where the underlayment is in conformance with ASTM D226, ASTM D146/D146M, ASTM D4869/D4869M, and the ASTM Standards indicated in the APPLICABLE CHARACTERISTICS REVIEWED section above.

DOCUMENTATION SUBMITTED:

Data submitted was in accordance with PFS 1348 Document, and IAPMO Test Report 2853-20008, dated March 15, 2020.

PRODUCT IDENTIFICATION:

The **Barricade UDL ONE** underlayment described in this report is identified with the manufacturer's name (Barricade Building Products, Division of Specialty Coating and Laminating, LLC), manufacturer address, product name, ASTM Standards (D146/D146M, D4869/D4869M) and certification agency (PFS Corporation).

EVALUATION PROCESS:

The method of evaluation for this Listing Report is by Deepak Shrestha, P.E. (Florida License Number 83569).

TABLE OF PHYSICAL PROPERTIES FOR BARRICADE UDL ONE UNDERLAYMENT

TEST	PERFORMANCE
Pliability: 5 Samples tested	No Cracking and all PASSED
Loss on Heating: 2 Samples tested	Less than 0.5% (rounded to nearest 0.5%)
Unroll-ability	No cracking or tearing all PASSED
Breaking Load (Modified Grab Test): Parallel Specimen – 5 specimens: Perpendicular Specimen – 8 specimens:	64.0 lbf/in 57.4 lbf/in
Liquid Water Transmission – 2 specimens	All Passed – no leaks or deterioration
Dimensional Stability: Machine Direction – 3 specimens: Cross Machine Direction – 3 specimens:	-0.08% -0.05%

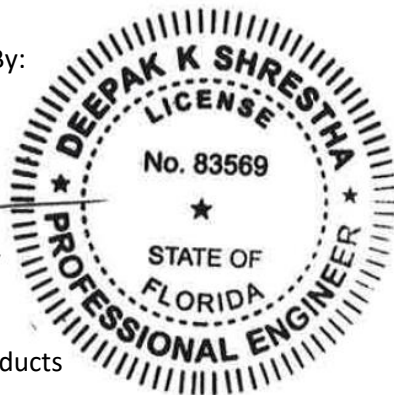
Tear Resistance: Machine Direction – 10 specimens Cross Machine Direction – 10 specimens	5978 gf > 6400 gf
Trapezoidal Tear Strength: Machine Direction – 10 specimens Cross Machine Direction – 10 specimens	81.1 lbf/in 74.9 lbf/in
Summary: The Barricade UDL ONE underlayment: • passes the requirements for ASTM D146/D146M; • passes the requirements for ASTM D4869/D4869M; • is compliant with Section 1507.1.1 of the Florida Building Code (2020 edition).	

Reviewed and Sealed By:



Deepak Shrestha, P.E.
FL PE 83569

Director – Building Products



Date Signed: February 2, 2021