

**AFCAT**

# AFCAT WOVEN HOUSE WRAP MHW9X150



## SAFETY DATA SHEET

### SECTION 1: Evaluation Scope

#### 1.1 Compliance with the following code:

- 2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

#### Properties evaluated:

- Water resistance
- Surface-burning characteristics

#### 1.2 Evaluation to the following green code(s) and/or standards:

- 2022 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

#### Attributes verified:

See Section 3.0

### SECTION 2: Uses

This product is used as a water-resistive barrier on the exterior side of exterior walls of buildings of all construction types under the IBC and the IRC. The membranes are alternatives to the water-resistive barriers required in IBC Section 1404.2 and IRC Section R703.2. The products are also considered equivalent to a Grade D paper in accordance with 2012, 2009 and 2006 IBC Section 2510.6

### SECTION 3: Description

This product is made of high-density polyolefin woven fabric that is coated on one side with a low-density polyolefin coating.

The attributes of water-resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 and (ii) ICC 700-2020 Section 602.1.8, 11.602.1.8, 1202.6 and 13.104.1.4; (iii) ICC 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (iv) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8l and (v) ICC 700-2008 Section 602.9 for water-resistive barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

### SECTION 4: Installation

This product must be installed after wall framing and sheathing are installed in accordance with the applicable code, and before windows and doors are installed. The roll must be placed a minimum of 3 inches (76 mm) from the starting corner and fastened to wood framing with corrosion-resistant nails having 1-inch diameter (25.4 mm) plastic head caps; or to steel framing with corrosion-resistant, minimum No. 7, Type S screws with 1-inch diameter (25.4 mm) plastic washers. The membrane is unrolled around the building and fastened into each vertical stud line with fasteners spaced between 12 and 18 inches (305 to 457 mm), and into top and bottom sill plates with fasteners spaced 8 inches (203 mm) on center. The printed side must be installed facing the outside. A minimum overlap of 8 inches (203 mm) must be provided for

vertical and 6 inches (152 mm) for horizontal seams. Inside and outside corners must be wrapped a minimum of 8 inches (203 mm) to create a double layer at all corners.

When used over wood-based sheathing in exterior plaster applications, two layers of the product must be applied over sheathing or installation must be in accordance with the exception to IBC Section 2510.6 and IRC Section R703.7.3 installations must be as follows:

For dry climate zones (B) in accordance with IBC Section 2510.6.1 or IRC Section R703.7.3.1, for the product must be applied in accordance with IBC Section 2510.6.1 Item 1 or 2 and IRC Section R703.7.3.1 Item 1 or 2, as applicable.

For moist climate zones (A) or marine climate zones (C) in accordance with IBC Section 2510.6.2 or IRC Section R703.7.3.2, the product must be applied in accordance with the dry climate zone (B) provisions noted above and with the additional requirements noted in IBC Section 2510.6.2 Item 1 or IRC Section R703.7.3.2 Item 1, as applicable.

For cementitious coatings or exterior insulation and finish systems, application must be in accordance with the ICC-ES evaluation report on the exterior coating.

**SECTION 5: Conditions of Use**

The product described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** This product must be covered in accordance with the company’s installation instructions with an approved exterior wall covering complying with the applicable code.
- 5.2** Under the 2024, 2021, 2018, 2015 and 2012 IBC, this product may be used on buildings of Types I, II, III, or IV construction that are not greater than 40 feet (12.2 m) in height above grade plane in accordance with 2024 IBC Section 1402.6 [2021 and 2018 IBC Section 1402.6
- 5.3** This product is limited to use on buildings of Type V Construction under the IBC and any construction permitted under the IRC.
- 5.4** The product must not be installed where ASTM E2556 Type I or II building paper is required.
- 5.5** This product is manufactured under a quality control program with inspections by ICC-ED.

**SECTION 6: Evidence Submitted**

**6.1** Data in accordance with the ICC-ES Acceptance Criteria for Water-Resistive Barriers (AC38), Approved August 2016 (Editorially revised June 2024).

**6.2** Report of testing in accordance with ASTM E84 (UL 723).

2024	2021	2018	2015	2012	2009	2006
IBC						
1403.2			1404.2			
1402.6	1402.5		1403.5	1403.5	N/A	
2510.6						
IRC						
2024	2021	2018	2015	2012	2009	2006
R703.2						
R703.7.3				703.6.3		

N/A- not applicable.

The full test report is available upon request. This document has been translated from the original report and is provided for informational purposes only. The information presented here is a direct reproduction of the data provided by the manufacturer. AFCAT Group Inc is a distributor of these products and does not take responsibility for the accuracy of the original testing or any content beyond its own disclosures. The information provided here is subject to change based on updates from the manufacturer or annual reporting revisions. AFCAT Group Inc shall not be held liable for any errors, omissions, or misuse of the information contained within this document.