DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 25 00—WATER-RESISTIVE BARRIERS/WEATHER BARRIERS
SECTION: 07 27 00—AIR BARRIERS

REPORT HOLDER:

FORTIFIBER BUILDING SYSTEMS GROUP®

EVALUATION SUBJECT:

WEATHERSMART® DRAINABLE
DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-Resistive Barriers/Weather Barriers
Section 07 27 00—Air Barriers

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WEATHERSMART® DRAINABLE

1.0 EVALUATION SCOPE
1.1 Compliance with the following codes:
- 2012, 2009 and 2006 International Residential Code® (IRC)

Properties evaluated:
- Physical properties
- Surface-burning characteristics
- Air leakage

1.2 Evaluation to the following green code(s) and/or standards:
- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015 and 2012 International Green Construction Code® (IGCC)

Attributes verified:
- See Section 3.0

2.0 USES
WeatherSmart® Drainable is used as an alternative to the water-resistive barrier on the exterior side of exterior walls of buildings of all construction types under the IBC and any construction permitted under the IRC. Under the 2012 IBC, the water-resistive barrier may be used on buildings of Type I, II, III and IV construction that are not greater than 40 feet (12.2 m) in height above grade in accordance with 2012 IBC Section 1403.5.

The product is an alternative to the water-resistive barrier specified in IBC Section 1404.2 and IRC R703.2 and may be used to provide an air barrier in accordance with Section N1102.4.1 of the IRC, Section C402.4.1 of the 2012 IECC (Section 502.4.3 of the 2009 and 2006 IECC).

WeatherSmart® Drainable is also used as an alternative to the 60-minute Grade D building paper described in the exception to IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION
WeatherSmart® Drainable is comprised of a spunbond polypropylene fabric and non-perforated breathable barrier layer, including stabilizing agents for ultraviolet light and thermal cycling. The product has been embossed for drainage efficiency. The finished product is produced in rolls of varying sizes.

WeatherSmart® Drainable has an air leakage rate not exceeding 0.02 L/s-m2 [0.004 cfm/ft2 at 0.3 w.g. (1.57 psf)] when used to provide an air barrier in accordance with Section N1102.4.1 of the IRC, Section C402.4.1 of the 2012 IECC and Section 502.4.3 of the 2009 and 2006 IECC.

WeatherSmart® Drainable has a flame-spread index of less than 25 and a smoke-developed index of less than 450, when tested in accordance with ASTM E84.

The attributes of the WeatherSmart® Drainable have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 for water-resistive barriers and Section A4.407.5 for air barriers; (ii) 2015 and 2012 IgCC Section 605.1.2.1 for air barriers; (iii) 2014 ASHRAE 189.1 Section 7.3.1.1 and 2011 ASHRAE 189.1 Section 7.4.2.9 for air barriers; (iv) ICC 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (v) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; and (vi) 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.

4.0 INSTALLATION
WeatherSmart® Drainable must be installed in accordance with the manufacturer’s published installation instructions.
and this report. If requested by the code official, a copy of
this report must be available at the jobsite during
installation. In the event of a conflict between this report
and the manufacturer’s published installation instructions,
this report governs.

The WeatherSmart® Drainable water-resistive barrier
described in this report is installed after wall framing is
completed and before or after windows and doors are
installed. The roll is placed approximately 12 inches (305
mm) from the starting corner and is fastened to the
sheathing with corrosion-resistant staples, corrosion-
resistant nails, or corrosion-resistant nails or staples
having plastic washer heads, and is then unrolled around
the building and fastened with nails or staples spaced no
more than 24 inches (609 mm) on center. The printed side
of the barrier is installed facing the outside. A minimum of
6 inches (152 mm) of overlap is to be provided for vertical
seams and 2 inches (51 mm) for horizontal seams, except
where the manufacturer’s installation instructions specify a
greater overlap dimension.

When used as an alternative to the 60-minute Grade D
building paper over wood-based sheathing, WeatherSmart® Drainable must be separated from the
stucco in accordance with the exception of IBC Section
2510.6 and IRC Section R703.6.3 or by an intervening
layer of Super Jumbo Tex 60 Minute Grade D Building
Paper (recognized in ESR-1027) . For cementitious
coatings or exterior insulation and finish systems,
application is to be in accordance with the evaluation
report on the exterior coating.

When used as a component of an air barrier, the product
must be installed in accordance with the manufacturer’s
published installation instructions and this report.

5.0 CONDITIONS OF USE

The WeatherSmart® Drainable water-resistive barrier
described in this report complies with, or is a suitable
alternative to what is specified in, those codes listed in
Section 1.0 of this report, subject to the following
conditions:

5.1 The manufacturer’s published installation instructions
and this report must be strictly adhered to. In the
event of a conflict between this report and the
manufacturer’s installation instructions, this report
governs.

5.2 The product must be covered with an approved
exterior wall covering complying with the applicable
code.

5.3 This report provides air leakage rates for the product
as a component of an air barrier assembly only. The
design and evaluation of the air barrier assembly of
which WeatherSmart® Drainable is a component must
be provided to the satisfaction of the code official.

5.4 WeatherSmart® Drainable is manufactured under a
quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance
Criteria for Water-resistive Barriers (AC38), dated
January 2015 (editorially revised April 2015).

6.2 Reports of testing in accordance with ASTM E84.

6.3 Reports of testing in accordance with ASTM E2178.

6.4 Reports of drainage tests in accordance with AC38
and ASTM E2273.

7.0 IDENTIFICATION

WeatherSmart® Drainable is identified by a label on the
container of each roll of material and by printing on the
product bearing the report holder’s name (Fortifiber
Building Systems Group®), the product name and the
evaluation report number (ESR-3791).

7.1 The report holder’s contact information is the
following:

FORTIFIBER BUILDING SYSTEMS GROUP®
300 INDUSTRIAL DRIVE
FERNLEY, NEVADA 89408
(775) 333-6400
www.fortifiber.com