

# ICC-ES Evaluation Report

ESR-5262

Reissued April 2024

This report also contains:


- CBC Supplement

Subject to renewal April 2026

- FBC Supplement

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<b>DIVISION: 070 00 00—</b> <b>THERMAL AND</b> <b>MOISTURE</b> <b>PROTECTION</b>  <b>Section: 07 25 00—</b> <b>Water Resistive Barriers</b>  <b>Section: 07 27 00—Air</b> <b>Barriers</b>	<b>REPORT HOLDER:</b>  <b>OKS POLY CO., LTD</b>	<b>EVALUATION SUBJECT:</b>  <b>OKS XTRIMWRAP 90</b>	
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## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2021, 2018, and 2015 [International Building Code® \(IBC\)](#)
- 2021, 2018, and 2015 [International Residential Code® \(IRC\)](#)

### Properties evaluated:

- Water Resistance
- Physical Properties
- Air Barrier Material
- Air Barrier Assembly

### 1.2 Evaluation to the following green code and standards

#### Compliance with the following codes:

- 2020 and 2015 ICC [National Green Building Standard™](#) (ICC 700-2020 and ICC 700-2015)

## 2.0 USES

OKS Xtrimwrap 90 is used as a water-resistive barrier material on the exterior side of exterior walls in Type V construction under the IBC and all construction under the IRC. OKS Xtrimwrap 90 is an ASTM E2556 Type II water-resistive barrier as specified in 2021 IBC Sections 1403.2 and 2510.6 (2018 and 2015 IBC Section 2510.6) and 2021 IRC Section R703.2. OKS Xtrimwrap 90 is also an alternative to the water-resistive barriers specified in 2018 IBC Section 1403.2 (2015 IBC Section 1404.2) and 2018 and 2015 IRC Section R703.2. OKS Xtrimwrap 90 exhibits equivalent water-resistance to a 60-minute Grade D building paper as described in the exception to 2018 and 2015 IRC Section R703.7.3.

## 3.0 DESCRIPTION

The OKS Xtrimwrap 90 material is a nonperforated and microporous nonwoven polypropylene fabric with a monolithic polymer coating on one side. OKS Xtrimwrap 90 weighs 1.8 pounds per 100 square feet (90 g/m<sup>2</sup>) and is manufactured in rolls of varying sizes.

When used as an air barrier material, the membrane has an air leakage rate not exceeding 0.2L/(s·m<sup>2</sup>) at 75 Pa [0.004 cfm/ft<sup>2</sup> at 0.3 w.g. (1.57 psf)].

## 4.0 INSTALLATION

### 4.1 General:

Installation of OKS Xtrimwrap 90 must comply with this report and the manufacturer's published installation instructions. The installation instructions must be available at the jobsite at all times during installation. In the event of conflict, this report governs.

### 4.2 Water-resistive Barrier:

OKS Xtrimwrap 90 is installed with the printed side facing outwards after wall framing is completed and before windows and doors are installed. The roll is placed approximately 12 inches (305 mm) from the starting corner and fastened with corrosion-resistant washer head nails, cap staples or cap nails approved by the manufacturer. The roll is then unrolled around the building and fastened as set forth in the report holder's published installation instructions at the top and bottom sill plates and at framing members. A minimum of 6 inches (152 mm) of overlap shall be provided for vertical seams and 4 inches (102 mm) of overlap shall be provided for horizontal seams.

When used over wood-based sheathing in exterior cement plaster applications in accordance with 2018 and 2015 IBC Section 2510.6 or 2018 and 2015 IRC Section R703.7.3, the product may be installed in two layers as outlined in 2018 and 2015 IBC Section 2510.6 or 2018 and 2015 IRC Section R703.7.3. Alternatively, one layer of the product may be applied over the sheathing with the additional requirements noted under Exceptions 1 and 2 of 2018 IBC Section 2510.6, the additional requirements noted under the exception to 2015 IBC Section 2510.6, and the additional requirements noted under the exception to 2018 and 2015 IRC Section R703.7.3, as applicable.

When used over wood-based sheathing with exterior cement plaster applications in accordance with 2021 IBC Section 2510.6 and 2021 IRC Section R703.7.3, installations must be as follows:

- For dry climate zones (B) in accordance with 2021 IBC Section 2510.6.1 or 2021 IRC Section R703.7.3.1, the product must be applied in accordance with 2021 IBC Section 2510.6.1 Item 1 or 2 and 2021 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 2021 IBC Section 2510.6.2 or 2021 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 and 2021 IRC Section R703.7.3.2 Item 1, as applicable.

### 4.3 Air Barrier Assembly:

The OKS Xtrimwrap 90 are used as a component of an air barrier assembly. The water-resistive barrier must be attached to the exterior side of sheathing with fasteners specified in the manufacturer's published installation instructions. The seams in the water-resistive barrier must be continuously sealed with 3-inch (88.9 mm) wide Fortifiber® Sheathing Tape. Nominal 1x2 wooden battens or furring strips spaced 16 inches (406 mm) on center must be placed over the water-resistive barrier along each stud and fastened to the framing with No.8 x2-inch (51 mm) long exterior screws spaced 16 inches (406 mm) on center. Penetrations in the air barrier assembly must be sealed in accordance with IECC Section C402.5.1.1(3).

## 5.0 CONDITIONS OF USE:

The OKS Xtrimwrap 90 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 air leakage rate noted in Section 3.0 is for the membrane as an air barrier material only. The design and evaluation of an air barrier assembly, of which the membrane is a component, is outside the scope of this report.
- 5.2 The membrane must be covered with an approved exterior wall covering complying with the applicable code.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Water-Resistive Barriers \(AC38\)](#), approved August 2016 (Editorially revised July 2021).
- 6.2 Reported of testing in accordance with ASTM-E2178.
- 6.3 Reported of testing in accordance with ASTM-E2357.
- 6.4 Reported of testing in accordance with ASTM-E2556.

## 7.0 IDENTIFICATION

**7.1** The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5262) along with the name, registered trademark, or registered logo of the report holder [and/or listee] must be included in the product label.

**7.2** The report holder's contact information is the following:

**OKS POLY CO., LTD.**  
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# ICC-ES Evaluation Report

# ESR-5262 CBC and CRC Supplement

Reissued April 2024

This report is subject to renewal April 2026

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**DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION**

**Section: 07 25 00—Water Resistive Barriers**

**Section: 07 27 00—Air Barriers**

## REPORT HOLDER:

OKS POLY CO., LTD

## EVALUATION SUBJECT:

OKS XTRIMWRAP 90

## 1.0 REPORT PURPOSE AND SCOPE

### Purpose:

The purpose of this evaluation report supplement is to indicate that OKS Xtrimwrap 90 a nonwoven based water-resistive barrier, described in ICC-ES evaluation report ESR-5262, has also been evaluated for compliance with the code noted below.

### Applicable code edition(s):

- 2022 California Building Code® (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA, California Department of Health Care and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code® (CRC)

## 2.0 CONCLUSIONS

### 2.1 CBC:

The OKS Xtrimwrap 90, described in Sections 2.0 through 7.0 of the evaluation report ESR-5262, complies with CBC Chapter 14, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 14, as applicable.

#### 2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

#### 2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

### 2.2 CRC:

The OKS Xtrimwrap 90 – Nonwoven Based Water-Resistive Barrier, described in Sections 2.0 through 7.0 of the evaluation report ESR-5262, complies with CRC Chapters 3 and 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 3 and 7, as applicable.

This supplement expires concurrently with the evaluation report, reissued April 2024

# ICC-ES Evaluation Report

# ESR-5262 FBC Supplement

Reissued April 2024

This report is subject to renewal April 2026.

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**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**

**Section: 07 30 05—Roofing Felt and Underlayment**

**Section: 07 27 00—Air Barriers**

## REPORT HOLDER:

OKS POLY CO., LTD

## EVALUATION SUBJECT:

OKS XTRIMWRAP 90

## 1.0 REPORT PURPOSE AND SCOPE

### Purpose:

The purpose of this evaluation report supplement is to indicate that OKS Xtrimwrap 90, described in ICC-ES evaluation report ESR-5262, has also been evaluated for compliance with the codes noted below.

### Applicable code editions:

- 2020 *Florida Building Code*®—Building
- 2020 *Florida Building Code*®—Residential

## 2.0 CONCLUSIONS

The OKS Xtrimwrap 90, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report ESR-5262 complies with the *Florida Building Code—Building* or the *Florida Building Code—Residential*. The design requirements shall be determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-5262 for the 2018 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the Xtrimwrap 90, for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued April 2024.