# ICC-ES Evaluation Report

**ESR-5263**

*Reissued April 2024*

*Revised September 2025*

*Subject to renewal April 2026.*

*This report also contains:*

- **CA Supplement**
- **FL Supplement**

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| **DIVISION: 07 00 00—THEMAL AND MOISTURE PROTECTION**<br>**Section: 07 30 05—Roofing Felt and Underlayment** | **REPORT HOLDER:**<br>**OKS POLY CO., LTD**<br>**ADDITIONAL LISTEE:**<br>**SRS DISTRIBUTION, INC.** | **EVALUATION SUBJECT:**<br>**OKS RUFLAYMENT – SYNTHETIC ROOFING UNDERLAYMENTS** | |

## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

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

**Properties evaluated:**

- Physical Properties
- Ice Barrier

### 1.2 Evaluation to the following green code and 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 2.0

## 2.0 USES

OKS Ruflayment synthetic roofing underlayments are alternatives to the ASTM D226, Type I and Type II, roofing underlayment specified in IBC Chapter 15 and IRC Chapter 9.

The attributes of the Ruflayment 85, Ruflayment 96 and Ruflayment 110 membrane(s) have been verified as conforming to the requirements of (i) 2022 CALGreen Section A4.407.5; (ii) ICC 700-2020 Section 602.1.13 11, 11.602.1.13, 1202.9 and 13.104.1.7; (iii) ICC-700-2015 and ICC 700-2012 Section 602.1.13, 11 602.1.13. and 12.5.602.1.14; and (iv) ICC 700-2008 Section 602.10 for Ice Barriers. Note the decision on compliance for those areas rest with the user of this report. The users are advised of the project-specific provisions that may 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.

## 3.0 DESCRIPTION

### 3.1 General:

OKS Ruflayment Synthetic roofing underlayments consist of Ruflayment 85, Ruflayment 96 and Ruflayment 110 roof underlayments as described in Sections 3.2 through 3.4.

### 3.2 Ruflayment 85:

Ruflayment 85 roof underlayment consists of a nonwoven polypropylene layer laminated to a woven scrim. The underlayment has an overall nominal weight of 2.79 oz./ 10 $ft^2$ (85 $g/m^2$) and is produced in rolls of varying sizes.

### 3.3 Ruflayment 96:

Ruflayment 96 roof underlayment consists of a nonwoven polypropylene layer laminated to a woven scrim. The underlayment has an overall nominal weight of 3.15 oz./ 10 $ft^2$ (96 $g/m^2$) and is produced in rolls of varying sizes.

### 3.4 Ruflayment 110:

Ruflayment 110 roof underlayment consists of a nonwoven polypropylene layer laminated to a woven scrim. The underlayment has an overall nominal weight of 3.60 oz./ 10 $ft^2$ (110 $g/m^2$) and is produced in rolls of varying sizes.

## 4.0 INSTALLATION

### 4.1 General:

Installation of the underlayments must be in accordance with this report, the applicable code and the report holder's published installation instructions. The installation instructions must be available at the jobsite during installation.

Prior to application, of the underlayment, the deck surface must be free of frost, dust and dirt, loose fasteners, and other protrusions. Damaged sheathing must be replaced. Installation is limited to solid or closely fitted substrates complying with the requirements of the applicable code.

Installation of the approved roof covering can proceed immediately following application of the roofing underlayment. The underlayment must be covered by the roof covering within the time set forth by the underlayment report holder's published installation instructions. For reroofing applications, the same procedures apply after removal of the existing roof coverings and roofing felts to expose the roof deck.

### 4.2 Application:

The underlayment must be installed in accordance with IBC Chapter 15 or IRC Chapter 9. The underlayment but must be laid print side up horizontally (parallel to the eave), with the printed side up, starting at the lower edge of the roof, with minimum of 3-inch (76 mm) horizontal (head) laps and 6-inch (152 mm) vertical (end) laps.

Underlayment must be applied in accordance with 2024, 2021 and 2018 IBC Table 1507.1.1(2) (2015 IBC Section 1507.2.8.1) or IRC Table R905.1.1(2) and mechanically attached in accordance with 2024, 2021 and 2018 IBC Table 1507.1.1(3) (2015 IBC Section 1507.2.6) or IRC Table R905.1.1(3), as applicable. The underlayment must be fastened to the roof deck using minimum No. 12-gage [0.105-inch (2.67 mm)] shank diameter, corrosion-resistance roofing nails having a minimum 1-inch-diameter (25.4 mm) plastic or metal cap. Dimensional tolerance of fasteners must conform to ASTM F1667. Fasteners must be of sufficient length to penetrate the sheathing a minimum of $^3/_4$ inch (19.1 mm) or through the sheathing, whichever is less. The fasteners must be at every other printed fastening mark, except in areas subject to high winds where underlayment fastening must comply with high wind attachment requirements specified in 2024, 2021 and 2018 IBC Table 1507.1.1(2) (2015 IBC Section 1507.2.8.1) or IRC Table R905.1.1(2). as applicable. When battens are installed over the underlayment, the underlayment need only be preliminarily attached, pending attachment of the battens or counter battens.

A single layer of minimum 24-inch-wide (610 mm) underlayment must be installed and centered vertically at all valleys before underlayment in the field, and at all hips and ridges after underlayment in field.

Where the slope is from 2:12 (17-percent slope) up to 4:12 (33-percent) slope, the underlayment must be horizontally lapped to the centerline of the underlying course to form two layers with 6-inch (152 mm) vertical laps. Subsequent courses of underlayment must be installed parallel to the eave, from the lower edge upwards to the ridge, in shingle manner. The underlayment must be mechanically fastened as specified in this section.

### 4.3 Ice Barrier

In areas of the roof required to have an ice barrier under 2024, 2021 and 2018 IBC Section 1507.1.2 (2015 IBC Section 1507.2.8.2) or IRC Section R905.1.2, two layers of the underlayment must be cemented together with a roofing cement complying with ASTM D4586 Type 1, for a minimum distance of 24 inches (610 mm) inside the exterior wall line of the building. The roof underlayment, in the field of the roof, must overlap the ice barrier.

### 4.4 Flashing

Flashing must be in accordance with the applicable code. Flashing around protrusions must be over the lower course of the underlayment, to prevent water backup. When used, metal drip edges must be installed beneath the underlayment at the eaves and over the underlayment at rakes. Drip edges must be mechanically fastened at a maximum of 12 inches (305 mm) on center.

## 5.0 CONDITIONS OF USE:

The OKS Ruflayment – Synthetic roofing underlayments described in this report comply 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** Installation must be in accordance with this report, the applicable code and the report holder's published installation instructions. In the event of conflict between the report holder's installation instructions and this report, this report must govern. A copy of the report holder's installation instructions must be available at the jobsite at all times during installation.

**5.2** Installation must be limited to use with solid substrates or closely fitted substrates located in areas where nonclassified roof coverings are permitted, or as a component of classified roofing assemblies when specifically recognized as such in a listing approved by the code official.

**5.3** Installation is limited to roofs with a minimum slope of 2:12 (16.67 percent) or the minimum slope required for the roof covering in accordance with the applicable code, whichever is greater.

**5.4** Installation must be limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.

**5.5** Installation must be limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.

**5.6** Installation must be limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.

**5.7** The product is manufactured under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated February 2023 (editorially revised April 2024).

## 7.0 IDENTIFICATION

**7.1** The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5263) along with the name, registered trademark, or registered logo of the report holder (OKS Poly Co.Ltd.) or listee (SRS Distribution, Inc.) must be included in the product label.

**7.2** In addition, each roll of the underlayment described in this report is marked with the manufacturer's or additional listee's product name in Tabel 1.

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

**OKS POLY CO., LTD.**
**50,35GIL, SEONGSEO-RO, DALSEO-GU,**
**DAEGU, 42719**
**SOUTH KOREA**
**+82.53.582.1177**
**www.okspoly.com**

**7.4** The Additional Listee's contact information is the following:

**SRS DISTRIBUTION, INC.**
**7440 SOUTH TX-121 MCKINNEY, TEXAS 75070**
**(214) 491-4149**
**www.srsdistribution.com**
**info@srsdistribution.com**

**TABLE 1 — PRODUCT TRADE NAMES**

| OKS POLY CO., LTD | SRS DISTRIBUTION, INC. |
|---|---|
| Ruflayment 85 | Topshield 85 Synthetic |
| Ruflayment 96 | Topshield 96 Synthetic |
| Ruflayment 110 | Topshield 110 Synthetic |

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**
**Section: 07 30 05—Roofing Felt and Underlayment**

**REPORT HOLDER:**

**OKS POLY CO., LTD.**

**EVALUATION SUBJECT:**

**OKS RUFLAYMENT – SYNTHETIC ROOFING UNDERLAYMENTS**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that OKS Ruflayment – Synthetic Roofing Underlayments, described in ICC-ES evaluation report ESR-5263, have also been evaluated for compliance with the codes noted below.

**Applicable code edition*(s)*:**

- 2025 *and* 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 Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2025 *and* 2022 *California Residential Code*® (CRC)

## 2.0 CONCLUSIONS

### 2.1 CBC:

The OKS Ruflayment – Synthetic Roofing Underlayments, described in Sections 2.0 through 7.0 of the evaluation report ESR-5263, complies with CBC Chapter 15, provided the design and installation are in accordance with the 2024 and 2021 *International Building Code*® (IBC) provisions, as applicable, noted in the evaluation report and the additional requirements of CBC Chapter 15, as applicable.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

### 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 Ruflayment – Synthetic Roofing Underlayments, described in Sections 2.0 through 7.0 of the evaluation report ESR-5263, complies/comply with CRC Chapter 9, provided the design and installation are in accordance with the 2024 and 2021 *International Residential Code*® (IRC) provisions, as applicable, noted in the evaluation report and the additional requirements of CRC Chapter 9, as applicable.

The products have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the evaluation report, reissued April 2024 and revised September 2025.

# ICC-ES Evaluation Report

# ESR-5263 FL Supplement

*Reissued April 2024*
*Revised September 2025*
*This report is subject to renewal April 2026.*

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The purpose of this evaluation report supplement is to indicate that OKS Ruflayment – Synthetic Roofing Underlayments, described in ICC-ES evaluation report ESR-5263, have 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 roofing underlayments , described in Sections 2.0 through 7.0 of the ICC-ES evaluation report ESR-5263 comply with the *Florida Building Code—Building* or the *Florida Building Code—Residential*. The design requirements must l 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-5263 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 OKS Ruflayment – Synthetic Roofing Underlayments 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 supplement 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).

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