



ICC-ES Listing Report

ESL-1630

Issued June 2024

This listing is subject to renewal June 2025.

CSI: DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 30 05 – Roofing Felt and Underlayment

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Products: OKS RUFLAYMENT – SYNTHETIC ROOFING UNDERLAYMENTS

Listee: OKS POLY CO., LTD.

Evaluation: OKS Ruflayment Synthetic roofing underlayments (Ruflayment 85, Ruflayment 96 and Ruflayment 110) consist of a nonwoven polypropylene layer laminated to a woven scrim. The Ruflayment 85, Ruflayment 96 and Ruflayment 110 roof underlayments are produced in rolls of varying sizes and have overall nominal weights of 85 g/m² (2.79 oz./10 ft²), 96 g/m² (3.15 oz./10 ft²) and 110 g/m² (3.60 oz./10 ft²). The roofing underlayments were evaluated to the following standard:

- CSA A123.3-05 Asphalt saturated organic roofing felt, *CSA group*.

Findings: OKS Ruflayment Synthetic roofing underlayments (Ruflayment 85, Ruflayment 96 and Ruflayment 110) were evaluated in accordance with the alternative solutions requirements in Section 1.2.1.1(1)(b) Division A of the applicable building code listed below, and meet the physical requirements of CSA A123.3-05 for Type 2 and Type 3 underlayments when tested for Unrollability, Width, Length, Loss on Heating, Pliability, Breaking Strength and Water Shower Exposure Tests as shown in Table 1 below and as referenced in the applicable sections to the following code edition:

- *National Building Code of Canada*® 2020
Applicable Sections: Volume 1 - Division B, Table 5.9.1.1 and Volume 2 – Division B, Table 9.26.2.1-B

Identification:

1. The ICC-ES mark of conformity, electronic labeling, or the listing report number (ICC-ES ESL-1630), and when applicable, the ICC-ES Listing Mark, along with the name, registered trademark, or registered logo of the listee must be included in the product label.
2. In addition, the OKS Ruflayment Synthetic roofing underlayments are identified by a label on each roll of underlayment, and by printing on the product at regular intervals, that include the report holder's name (OKS Poly Co., Ltd.) and address, and the product name.
3. The report holder's contact information is the following:

OKS POLY CO., LTD.
50, 35 GIL, SEONG SEO-RO, DAL SEO-GU
DAEGU 42719
SOUTH KOREA
+82.53.582.1177
www.okspoly.com

Installation: The products must be installed in accordance with the OKS Poly Co., Ltd.'s published installation instructions.

Conditions of listing:

1. The listing addresses only conformance with the standard and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing applies only to the materials tested and as submitted for review by ICC-ES.
4. The OKS Ruffling Synthetic roofing underlayments are manufactured under a quality control program with inspections by ICC-ES.

Table 1—CSA A123.3 TEST RESULTS FOR OKS RUFFLAYMENT SYNTHETIC ROOFING UNDERLAYMENTS¹

| Product | Test | CSA A123.3 Section | Unit | Type 2 | | Type 3 | |
|--------------|-----------------------|--------------------|--------------|---|--------|---|---------|
| | | | | Requirement | Result | Requirement | Results |
| Ruffling 85 | Width | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Length | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Loss of Heating | 7.1 | % | <4 | Pass | <4 | Pass |
| | Pliability | 7.1 | N/A | No Crack | Pass | No Crack | Pass |
| | Breaking Strength | 7.1 | kN/m kN/m | With fiber >5.2 Across fiber >2.6 | Pass | With fiber >7.0 Across fiber >3.5 | Pass |
| | Water Shower Exposure | 7.1 and 7.2 | N/A | No wetness or deterioration in 4 of the 5 specimens | Pass | No wetness or deterioration in 4 of the 5 specimens | Pass |
| | Unrollability | 7.3 | N/A | No crack | Pass | No crack | Pass |
| Ruffling 96 | Width | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Length | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Loss of Heating | 7.1 | % | <4 | Pass | <4 | Pass |
| | Pliability | 7.1 | N/A | No Crack | Pass | No Crack | Pass |
| | Breaking Strength | 7.1 | kN/m kN/m | With fiber >5.2 Across fiber >2.6 | Pass | With fiber >7.0 Across fiber >3.5 | Pass |
| | Water Shower Exposure | 7.1 and 7.2 | N/A | No wetness or deterioration in 4 of the 5 specimens | Pass | No wetness or deterioration in 4 of the 5 specimens | Pass |
| | Unrollability | 7.3 | N/A | No crack | Pass | No crack | Pass |
| Ruffling 110 | Width | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Length | 7.1 | % | +/-0.5 | Pass | +/-0.5 | Pass |
| | Loss of Heating | 7.1 | % | <4 | Pass | <4 | Pass |
| | Pliability | 7.1 | N/A | No Crack | Pass | No Crack | Pass |
| | Breaking Strength | 7.1 | kN/m kN/m | With fiber >5.2 Across fiber >2.6 | Pass | With fiber >7.0 Across fiber >3.5 | Pass |
| | Water Shower Exposure | 7.1 and 7.2 | N/A | No wetness or deterioration in 4 of the 5 specimens | Pass | No wetness or deterioration in 4 of the 5 specimens | Pass |
| | Unrollability | 7.3 | N/A | No crack | Pass | No crack | Pass |

For Imperial: 1 kN/m = 68.5 lb/ft

¹ Tests for saturation percentage and saturation efficiency under Table 1 of CSA A123.3 and tests for mass requirements under Table 2 of CSA A123.3 have not been evaluated and are outside the scope of this listing.