



FI-FOIL COMPANY, INC.

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SKYFLEX AIR BARRIER

CSI Division: 07 00 00 Thermal and Moisture Protection

CSI Section: 07 27 00 Air Barriers

1.0 SCOPE OF LISTING

FiFoil’s SkyFlex Air Barrier recognized in this listing have been evaluated by the following standards:

SkyFlex Air Barrier:
ASTM E2178-13, *Standard Test Method for Air Permeance of Building Materials.*

2.0 LIMITATION

Use of FiFoil’s SkyFlex Air Barrier recognized in this listing is subject to the following limitations:

2.1 FiFoil’s SkyFlex Air Barrier shall be installed in accordance with the applicable code, the manufacturer’s published installation instructions, and this listing. Where there is a conflict, the most restrictive requirements shall govern.

2.2 The insulation recognized in this listing is produced by Fi-Foil Company in Auburndale, Florida.

3.0 PRODUCT USE

3.1 **General:** SkyFlex is a flexible sheet air barrier used to separate areas with conditioned air from areas of unconditioned air (Figure 1).

3.2 Installation.

3.2.1. When installing SkyFlex Air Barrier, apply the product to the face of the wall; attach the product to the vertical wood studs with a staple every 4 to 8 inches (102 mm to 204 mm), or with metal framing attach the product using double-sided tape or spray adhesive for attachment until final interior finish is attached.

3.2.2. When installing SkyFlex Air Barrier, overlap the layers a minimum of 1 to 2 inches (25 to 51 mm); tape joints with FI-Foil’s FSK reflective tape.

3.2.3. When installing SkyFlex Air Barrier, cut the product material so it fits snugly around any outlets; seal the edge of material to the box with either tape, foam, or caulk.

4.0 PRODUCT DESCRIPTION

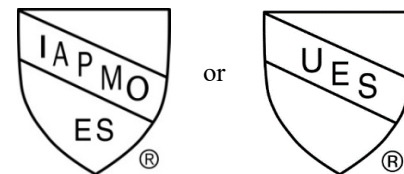
4.1 SkyFlex Air Barrier

4.1.1 **General:** The SkyFlex Air Barrier consists of two layers of aluminum foil deposited on a layer of 4-mil (0.10 mm) thick woven polyethylene. SkyFlex is available in rolls either 48 inches (1219 mm) or 51 inches (1295 mm) wide containing 500 square feet (46.5 m²) each.

4.1.2 **Air Permeability:** SkyFlex Air Barrier meets the definition of Air-Impermeable Insulation per Section 202 of the IBC and Section R202 of the IRC. When tested in accordance with ASTM E2178-13, the SkyFlex Air Barrier exhibited an air permeance rate not exceeding 0.02 L/(s/m²) at 75 Pa (0.004 cfm/ft² at 1.57 psf).

5.0 IDENTIFICATION

FiFoil’s SkyFlex Air Barrier is identified with a label on the carton or box identifying the company name (Fi-Foil Company, Inc.), model number, and the Uniform Evaluation Listing Number (UEL-5003). One of the following IAPMO UES Marks of Conformity may also be used.



IAPMO UEL-5003

6.0 SUBSTANTIATING DATA

6.1 The test report is from a laboratory in compliance with ISO/IEC 17025.

6.2 Report of testing in accordance with ASTM E2178-13.

The product described in this Uniform Evaluation Service (UES) Listing Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this listing, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.





7.0 STATEMENT OF RECOGNITION

This listing describes the results of research completed by IAPMO Uniform Evaluation Service on FiFoil's SkyFlex Air Barriers to assess those physical characteristics that are noted in Section 4.0 of this listing and serves as documentation of the product performance. Products are manufactured at locations noted in Section 2.2 of this listing under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this evaluation listing please visit www.uniform-es.org or email us at info@uniform-es.org

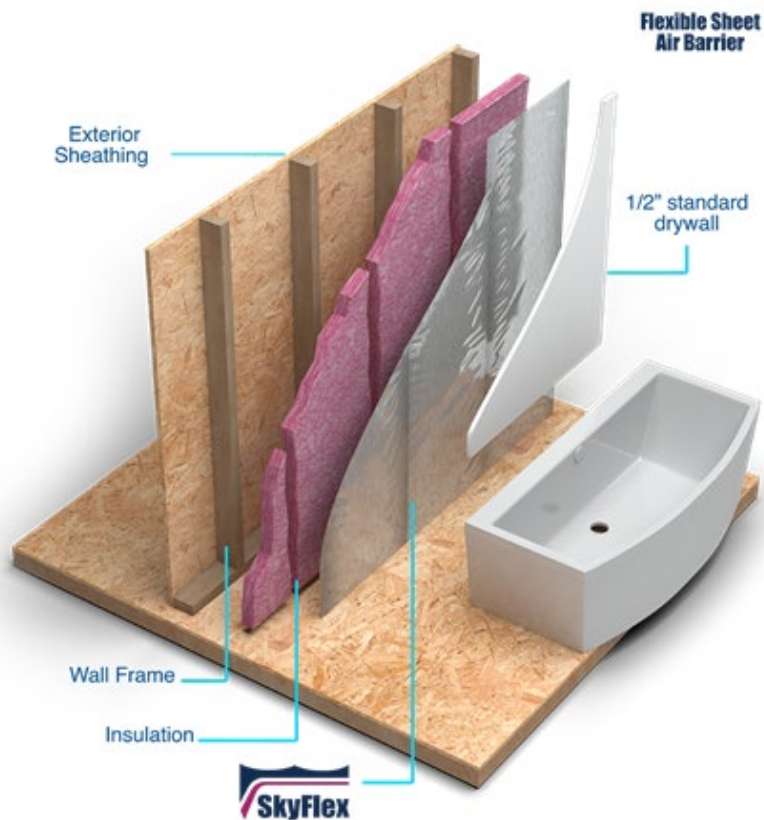


FIGURE 1