



ICC-ES Listing Report

Reissued May 2024

ESL-1307

This listing is subject to renewal in April 2025.

CSI: DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION
Section: 07 21 00 — Thermal Insulation

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.

Product: SOUDAL SOUDAFOAM MAXTWO HFO E-84 and SOUDAFOAM MAXTWO HFO XL E-84

Listee: SOUDAL ACCUMETRIC

Evaluation: Soudal Soudafoam MAXTWO HFO E-84 and Soudafoam MAXTWO HFO XL E-84 are spray-applied polyurethane foam plastic insulation, and were evaluated when tested at a minimum thickness of 2-inches (51mm) and a nominal density of 1.75 pcf (28 kg/m³) to the following standards:

- UL 723 (-2018, -2008 with revisions through August 2013, -2008 with revisions through September 2010, -2008, and -2003 with revisions through May 2005), Standard for Test for Surface Burning Characteristics of Building Materials, Underwriters Laboratories, Inc.
- ASTM E84 (-18B, -16, -2013a, -09, and -07), Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.

Findings: Soudal Soudafoam MAXTWO HFO E-84 and Soudafoam MAXTWO HFO XL E-84 spray-applied polyurethane foam plastic insulation, have a flame-spread index and a smoke-developed index as specified in Table 1 below based on testing in accordance with UL 723/ASTM E84 , as referenced in the applicable sections of the following code editions below:

TABLE 1—FLAME-SPREAD INDEX AND SMOKE-DEVELOPED INDEX

| PRODUCT | FLAME-SPREAD INDEX (FSI) | SMOKE-DEVELOPED INDEX (SDI) |
|-------------------------------------|--------------------------|-----------------------------|
| SOUDAL SOUDAFOAM MAXTWO HFO E-84 | 20 | 350 |
| SOUDAL SOUDAFOAM MAXTWO HFO XL E-84 | 20 | 350 |

- 2021, 2018, 2015, 2012 and 2009 *International Building Code*®
Applicable Section: 2603.3
- 2021, 2018, 2015, 2012 and 2009 *International Residential Code*®
Applicable Section: R316.3

Identification:

1. Packaging of the Soudal Soudafoam MAXTWO HFO E-84 and Soudafoam MAXTWO HFO XL E-84 spray-applied polyurethane foam plastic insulation carries a label indicating the manufacturer's name (Soudal) and address, the products name (Soudafoam MAXTWO HFO E-84 or Soudafoam MAXTWO HFO XL E-84) , the self-life expiration date, the lot number, density, flame-spread and smoke-develop indices, the ICC-ES listing report (ESL-1307) and when applicable, ICC-ES Listing Mark. The report holder's contact information is the following:

2. The report holder's contact information is the following

SOUDAL ACCUMETRIC
350 RING ROAD
ELIZABETHTOWN, KENTUCKY 42701
(270) 769-3385
info@soudalusa.com

Installation: The product must be installed in accordance with the Soudal Accumetric's published installation instructions and applicable codes.

Conditions of listing:

1. The listing report addresses only conformance with the standards and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. The Soudal Soudafoam MAXTWO HFO E-84 and Soudafoam MAXTWO HFO XL E-84 spray-applied polyurethane foam plastic insulation is manufactured in Turnhout, Belgium under a quality control program with inspections by ICC-ES.