

# ICC-ES Evaluation Report

**ESR-5614**


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<p><b>DIVISION: 09 00 00 — FINISHES</b></p> <p><b>Section: 09 96 43—Fire-Retardant Coatings</b></p>	<p><b>REPORT HOLDER:</b></p> <p><b>FLAME CONTROL COATINGS</b></p>	<p><b>EVALUATION SUBJECT:</b></p> <p><b>FLAME CONTROL 60-60A</b></p>	
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## 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

- 2024, 2021 and 2018 [International Building Code® \(IBC\)](#)
- 2024, 2021 and 2018 [International Residential Code® \(IRC\)](#)

**Properties evaluated:**

- Physical properties
- Application without a prescriptive thermal barrier

## 2.0 USES

Flame Control 60-60A is a liquid-applied coating intended for application over the surface of spray-applied foam plastic insulation complying with ICC-ES Acceptance Criteria for Spray-applied Foam Plastic Insulation (AC377). The coated assembly may be left exposed to the interior of the building without the application of a code-prescribed thermal barrier when installed as described in Section 4.2 of this report. Flame Control 60-60A coating may be used in attic and crawl spaces as described in Section 4.3 of this report.

## 3.0 DESCRIPTION

**3.1 General:**

Flame Control 60-60A is a single-component, water-based, liquid-applied intumescent coating. The coating is supplied in 5-gallon (19 L) pails and 55-gallon (208 L) drums and has a shelf life of one (1) year when stored in factory-sealed containers at temperatures between 50°F and 80°F (10°C and 26.7°C).

**3.2 Surface Burning Characteristics:**

The Flame Control 60-60A coated foam assemblies listed in [Table 1](#) were tested in accordance with NFPA 286 and comply with the acceptance criteria of IBC Section 803.1.1.1 and IRC Section R302.9.4 and are permitted to be used where a Class A classification in accordance with ASTM E 84 or UL 723 is required by IBC Section 803.1.2.

## 4.0 DESIGN AND INSTALLATION

**4.1 Installation – General:**

Flame Control 60-60A must be applied in accordance with the manufacturer’s published application instructions and this report. A copy of the instructions must be available on the job site at all times.

Flame Control 60-60A must be mechanically mixed prior to application. The coating is applied to the required thickness using spray equipment, a brush or a roller having a medium nap. Surfaces to be coated must be inspected in accordance with the manufacturer's published application instructions and must be dry, clean, and free of dirt, loose debris and other substances that could interfere with the adhesion of the coating. The coating must not be applied when the ambient or surface temperature is below 50°F (10°C) or above 80°F (26.7°C) and relative humidity of not more than 65%. The manufacturer must be consulted for specific application conditions.

#### 4.2 Application without a Prescriptive Thermal Barrier:

The Flame Control 60-60A coating may be applied over spray-applied foam plastic insulations listed in [Table 1](#) without covering the coated assembly with the thermal barrier prescribed in the IBC Section 2603.4 and 2024 IRC Section R303.4 (2021 and 2018 IRC Section R316.4).

#### 4.3 Application without a Prescriptive Ignition Barrier - Attics and Crawl Spaces:

**4.3.1 General:** Where spray-applied foam plastic insulations listed in Table 2 are installed in attics and crawl spaces without the ignition barrier prescribed in IBC Section 2603.4.1.6 and 2024 IRC Sections R303.5.3 and R303.5.4 (2021 and 2018 IRC Section R316.5.3 and R316.5.4), the installation must be in accordance with Sections 4.3.1 and 4.3.2 when all of the following conditions apply:

1. Entry to the attic or crawl space is only to service utilities, and no storage is permitted.
2. There are no interconnected attic or crawl space areas.
3. Air in the attic or crawl space is not circulated to other parts of the building.
4. Attic ventilation is provided when required by IBC Section 1202.2 or IRC Section R806, except when air-impermeable insulation is permitted in unvented attics in accordance with IBC Section 1202.3 or IRC Section R806.5.
5. Under-floor (crawl space) ventilation is provided when required by IBC Section 1202.4 or IRC Section R408.1, as applicable.
6. Combustion air is provided in accordance with IMC (*International Mechanical Code*<sup>®</sup>) Section 701.
7. If hot work is required to be performed, all necessary procedures, precautions and limitations must be observed in accordance with OSHA 1926 Subpart J Standard 1926.352 requirements for hot work performed in the vicinity of combustible materials.
8. An installation certificate with the following information must be posted at each entrance:
  - a. Product names and installation thickness.
  - b. Manufacturer names, address, and contact information.
  - c. Attestation that the product(s) have been installed in accordance with the manufacturer's installation instructions and the requirements of the evaluation reports.
  - d. A notice that the certificate is not to be removed or altered.
  - e. A list of limitations for the space including the following:
    - Entry to the space is only to services utilities and no storage is permitted.
    - FIRE SAFETY WARNING: If hot work is to be performed, all necessary procedures, precautions and limitations must be observed in accordance with OSHA 1926 Part J Standard 1926.352 requirements for hot work (welding / cutting) performed in the vicinity of combustible materials.

**4.3.2 In attics and crawl spaces:** In attics, the insulation may be spray-applied to the underside of roof sheathing or roof rafters, and/or vertical surfaces; and in crawl spaces, the insulation may be spray-applied to the underside of floors and/or vertical surfaces provided the assembly conforms to one of the assemblies described in Table 2.

## 5.0 CONDITIONS OF USE:

The Flame Control 60-60A coating 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** Application must comply with this report, the manufacturer's published application instructions, and the applicable code. A copy of the application instructions must be on the job site during application of the coating. In the event of a conflict, this report and the code govern.

- 5.2 The application of additional interior finishes over the coating is outside the scope of this report.
- 5.3 Recognition in this report is for the specific assemblies and spray-applied foam plastic insulations described in [Table 1](#) and 2. The spray-applied foam plastic insulation must be installed in accordance with the requirements set forth in the specific ICC-ES evaluation report noted in [Table 1](#) and 2.
- 5.4 For spray-applied foam plastic insulation that is not covered in an ICC-ES evaluation report, the evaluation is limited to the specified test method, evaluation for compliance of the spray foam insulation with other applicable requirements of AC377 and the IBC and IRC are outside the scope of this report and must be approved by the code official as noted in [Table 1](#) and 2, Footnote 3.
- 5.5 The coating is manufactured under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Fire-Protective Coatings Applied to Spray-applied Foam Plastic Insulation Installed without a Code-prescribed Thermal Barrier \(AC456\)](#), dated October 2015 (editorially revised July 2024), including room corner fire testing in accordance with NFPA 286.
- 6.2 Reports of testing in accordance with Appendix X of AC377.

## 7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5614) along with the name, registered trademark, or registered logo of the report holder (Flame Control Coatings) must be included in the product label.
- 7.2 In addition, all containers of Flame Control 60-60A must be labeled with the manufacturer's address; the product name; the date of manufacture, the shelf life or expiration date and the manufacturer's instructions for application.

The spray-applied foam plastic insulations must be labeled in accordance with the applicable evaluation report (see [Table 1](#)).

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

**FLAME CONTROL COATINGS**  
**4310 CAMPBELL ROAD**  
**HOUSTON, TEXAS 77041**  
**(716) 282-1399**  
[www.flamecontrolcoatings.com](http://www.flamecontrolcoatings.com)  
[niagaracs@sealforlige.com](mailto:niagaracs@sealforlige.com)

**TABLE 1—USE OF INSULATION WITHOUT A PRESCRIPTIVE THERMAL BARRIER  
(TESTED IN ACCORDANCE WITH NFPA 286)**

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	60-60A COATING MINIMUM AVERAGE THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Alpha Polymers LLC	AP 210 ( <a href="#">ESR-5242</a> )	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
AMBIT Polyurethane LLC	AMBI-TITE 204 HFO ( <a href="#">ESR-4427</a> )	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
AMBIT Polyurethane LLC	AMBI-SEAL 5.0 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC. DBA – NCFI Polyurethanes	InsulBloc ( <a href="#">ESR-1615</a> )	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC, dba NCFI Polyurethanes	InsulBloc SmartSPF (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC, dba NCFI Polyurethanes	InsulStar SmartSPF (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC, dba NCFI Polyurethanes	InsulStar 1.7 SmarSPF (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC, dba NCFI Polyurethanes	InsulStar <sup>®</sup> Light 12-008 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing INC, dba NCFI Polyurethanes	InsulStar <sup>®</sup> Light 12-075 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE <sup>®</sup> 158 ( <a href="#">ESR-5215</a> )	7½	11½	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE <sup>®</sup> SP ( <a href="#">ESR-5215</a> )	7½	11½	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE <sup>®</sup> Plus S (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO No Mix (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO Closed Cell (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO High Yield (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO OC (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO One Zero (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Sealtite PRO HFO (See Note 3)	6	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate HFO (See Note 3)	6	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Central Urethane	X-Press Seal 500 XP (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Accufoam CC ( <a href="#">ESR-5254</a> )	7½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	AirLok 170 CC ( <a href="#">ESR-5253</a> )	7½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Accufoam OC ( <a href="#">ESR-5254</a> )	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	AirLok 45 OC ( <a href="#">ESR-5253</a> )	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Accufoam AF1 ( <a href="#">ESR-5255</a> )	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>

**TABLE 1—USE OF INSULATION WITHOUT A PRESCRIPTIVE THERMAL BARRIER  
(TESTED IN ACCORDANCE WITH NFPA 286) (Continued)**

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	60-60A COATING MINIMUM AVERAGE THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Creative Polymer Solutions	Accufoam CC 1.7 ( <a href="#">ESR-5256</a> )	7 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Elastochem Specialty Chemicals, Inc.	Insulthane <sup>®</sup> Extreme (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Elastochem Specialty Chemicals, Inc.	Insulthane <sup>®</sup> 450NM (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Enerlab-USA	Ecothane 2.0 (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Firestable Insulation Company	StableBase Max Yield Open Cell (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
General Coatings	Ultra-Thane 050 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra-Thane 050 Max (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra-Thane 050 Max Pro (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra – Thane 205 HFO (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra – Thane 205 HFO Max (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra – Thane 205 HFO High Lift (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings	Ultra – Thane 205 HFO Premium (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	EnvergeOnePass <sup>®</sup> HFO (1860) (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	EnvergeOnePass <sup>®</sup> F1850 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	EnvergeOnePass <sup>®</sup> Low 1880 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Enverge <sup>®</sup> 183M (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Gaco EZ Spray 4500 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Enverge <sup>®</sup> Nexseal <sup>®</sup> 2.0 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Enverge <sup>®</sup> Nexseal <sup>®</sup> LE 2.0 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Enverge <sup>®</sup> EasySeal 0.5 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Holcim Solutions and Products US, LLC Building Envelope Division	Enverge <sup>®</sup> Suraseal 0.5 (See Note 3)	6	10	8 mils DFT 12 mils WFT	0.75 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Heatlok HFO High Lift ( <a href="#">ESR-4073</a> )	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>

**TABLE 1—USE OF INSULATION WITHOUT A PRESCRIPTIVE THERMAL BARRIER  
(TESTED IN ACCORDANCE WITH NFPA 286) (Continued)**

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Huntsman Building Solutions	Heatlok XT-s ( <a href="#">ESR-3824</a> )	7	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Heatlok HFO Pro Closed Cell (See Note 3)	5½	9½	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Heatlok HFO EZ (See Note 3)	5½	9½	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Icynene HFO 200 (See Note 3)	5½	9½	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Icynene HFO Max ( <a href="#">ESR-5496</a> )	5½	9½	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Icynene Classic 45 ( <a href="#">ESR-5498</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Classic ( <a href="#">ESR-1826</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Classic Ultra ( <a href="#">ESR-1826</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Classic Ultra Select ( <a href="#">ESR-1826</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Foam-Lok FL450 ( <a href="#">ESR-4242</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Foam-Lok 500 ( <a href="#">ESR-2847</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman Building Solutions	Icynene OC No-Mix ( <a href="#">ESR-5499</a> )	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers	Natural-Therm 0.5 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers	Natural-Therm 2.0 HFO (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
NSF Polymers	OC 365 (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
NSF Polymers	OC – OG (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
NSF Polymers	CC -OG (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
PolyCon LLC	PC 450 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
PolyCon LLC	PC 2000 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Profoam Corporation	ProSeal™ ( <a href="#">ESR-3835</a> )	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Profoam Corporation	Proseal 1.7 (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Quadrant Performance Materials, LLC	QuadFoam 2.0 (See Note 3)	7½	11½	12 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Quadrant Performance Materials, LLC	QuadFoam 500 (See Note 3)	7½	11½	12 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Quadrant Performance Materials, LLC	EnviroSeal® OC Platinum (See Note 3)	7½	11½	12 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Quadrant Performance Materials, LLC	EnviroSeal® CC Platinum Max (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Rhino Linings Corporation	Thermal Guard CC2 ECO (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>

**TABLE 1—USE OF INSULATION WITHOUT A PRESCRIPTIVE THERMAL BARRIER  
(TESTED IN ACCORDANCE WITH NFPA 286) (Continued)**

INSULATION COMPANY NAME	INSULATION COMPANY NAME	INSULATION COMPANY NAME	INSULATION COMPANY NAME	INSULATION COMPANY NAME	INSULATION COMPANY NAME
Rhino Linings Corporation	Thermal Guard OC.5 ( <a href="#">ESR-2100</a> )	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Spray Foam Genie	SFG 2.0 (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Spray Foam Genie	SFG 1.7 (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Sustainable Polymers Products	Celltech OCA (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Sustainable Polymers Products	Celltech 1.7A (See Note 3)	7½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 112 (See Note 3)	9½	9½	12 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 112 XC (See Note 3)	9½	9½	12 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 108 OC YM (See Note 3)	8	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Thermoseal™	Thermoseal™ HFO (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Thermoseal™	Thermoseal 5G (See Note 3)	6	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Universal Polymer	UPBSI OC 500 (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Universal Polymer	UPBSI CC 2.0 (See Note 3)	7½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Universal Polymer	UPBSI OC 450 (See Note 3)	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
UPC	UPC 500 (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 500 Max (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 500 Max Pro (See Note 3)	10	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 2.0 HFO (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 2.0 HFO Max (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 2.0 HFO High Lift (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
UPC	UPC 2.0 HFO Premium (See Note 3)	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Xcelus Building Systems	XLS 450NM	10	14	11 mils DFT 16 mils WFT	1.00 gal/100 ft <sup>2</sup>
Xcelus Building Systems	XLS 2000	8	10	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>

For SI: 1 inch = 25.4 mm; 1 mil = 0.0254 mm; 1 gallon = 3.38 L; 1 ft<sup>2</sup> = 0.93 m<sup>2</sup>.

**Notes:**

<sup>1</sup>DFT = Dry Film Thickness; WFT = Wet Film Thickness

<sup>2</sup>As reported in the manufacturer's application instructions. Actual application rate, based upon specific project conditions, must be in accordance with the manufacturer's application instructions.

<sup>3</sup>Evaluation is limited to the NFPA 286 test data for the coated assembly described. Evaluation for compliance of the spray foam insulation with other applicable requirements of AC377 and the IBC and IRC are outside the scope of the report.

**TABLE 2 — USE OF INSULATION WITHOUT A PRESCRIPTIVE IGNITION BARRIER  
(TESTED IN ACCORDANCE WITH APPENDIX X OF AC377)**

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	60-60A COATING MINIMUM AVERAGE THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
PolyCon LLC	PC 450 (See Note 3)	10	14	4 mils DFT 6 mils WFT	0.38 gal/100 ft <sup>2</sup>
PolyCon LLC	PC 2000 (See Note 3)	7	10	4 mils DFT 6 mils WFT	0.38 gal/100 ft <sup>2</sup>

For SI: 1 inch = 25.4 mm; 1 mil = 0.0254 mm; 1 gallon = 3.38 L; 1 ft<sup>2</sup> = 0.93 m<sup>2</sup>.

**Notes:**

<sup>1</sup>DFT = Dry Film Thickness; WFT = Wet Film Thickness

<sup>2</sup>As reported in the manufacturer’s application instructions. Actual application rate, based upon specific project conditions, must be in accordance with the manufacturer’s application instructions.

<sup>3</sup>Evaluation is limited to the Appendix X test data for the coated assembly described. Evaluation for compliance of the spray foam insulation with other applicable requirements of AC377 and the IBC and IRC are outside the scope of the report.