

# ICC-ES Evaluation Report

**ESR-3702**

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**DIVISION: 09 00 00—FINISHES**  
**Section: 09 96 43—Fire-Retardant Coatings**

**REPORT HOLDER:**

**INTERNATIONAL FIREPROOF TECHNOLOGY INC.**

**EVALUATION SUBJECT:**

**DC315 INTUMESCENT COATING**

**1.0 EVALUATION SCOPE**

**Compliance with the following codes:**

- 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

**Properties evaluated:**

- Application without a prescriptive thermal barrier
- Application without a prescriptive ignition barrier
- Physical properties
- Surface burning characteristics
- Water vapor transmission

**2.0 USES**

DC315 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. The DC315 coating may be used in attic and crawl spaces as described in Section 4.3 of this report.

**3.0 DESCRIPTION**

**3.1 General:**

DC315 is a single-component, water-based, liquid-applied intumescent coating and are available in white, ice gray, dark gray and charcoal black. 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° and 80°F (10 and 27°C).

DC315 Primer is a liquid-applied primer, manufactured by International Fireproof Technology, Inc., and is supplied in 1- and 5-gallon (3.8 and 18.9 L) pails, and has a shelf

life of 2 years when stored in factory-sealed containers at temperatures between 50° and 80°F (10 and 27°C).

DTM Bonding Primer is a waterborne, acrylic emulsion, bonding primer manufactured by Sherwin-Williams. The primer is supplied in 1- and 5-gallon (3.8 and 18.9 L) containers, and has a shelf life of three (3) years when stored in factory-sealed containers at temperatures between 50° and 100°F (10 and 38°C).

**3.2 Vapor Retarder:**

When a minimum thickness of 18 mils WFT [0.018 inch (0.46 mm)] of DC315 is applied to a minimum thickness of 2 inches (50.8 mm) of open-cell spray-applied foam plastic insulation, the assembly has a vapor permeance greater than 1 and less than 10 perms (5.7x10 kg/Pa-s-m<sup>2</sup>) when tested in accordance with ASTM E96 procedure A (dessicant method), and qualifies as a Class III vapor retarder,

**3.3 Surface Burning Characteristics:**

When tested in accordance with ASTM E84/UL 723, at a thickness of 13 mils WFT [0.013 inch (0.33 mm)], DC315 has a flame spread index of 25 or less and a smoke-developed index of 450 or less. The DC315 coated foam assemblies listed in Table 1 were tested in accordance with NFPA 286 and comply with the acceptance criteria of 2018 IBC Section 803.1.1.1 (2015, 2012 and 2009 IBC Section 803.1.2.1 and 2006 IBC Section 803.2.1) and 2018, 2015, 2012 and 2009 IRC R302.9.4 (2006 IRC Section R315.4) and is permitted to be used where a Class A classification in accordance with ASTM E 84 or UL 723 is required by 2018 IBC Section 803.13 (2015 IBC Section 803.11, 2012 and 2009 IBC Section 803.9 and 2006 IBC Section 803.5).

**4.0 DESIGN AND INSTALLATION**

**4.1 Installation – General:**

DC315 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.

DC315 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 installation 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 90°F (32° C) and relative humidity of more than

85%. The manufacturer must be consulted for specific application conditions.

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

The DC315 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 IBC Section 2603.4 and IRC Section R316.4 (2006 IRC Section R314.4).

The DTM Bonding Primer, when used as part of the assemblies listed in Table 1, must be installed in accordance with the manufacturer's published installation instructions.

#### 4.3 Application without a Prescriptive Ignition Barrier:

**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 2018, 2015, 2012 and 2009 IRC Sections R316.5.3 and R316.5.4 (2006 IRC Sections R314.5.3 and R314.5.4) the installation must be in accordance with Sections 4.3.2 and 4.3.3, and the following conditions apply:

- a. Entry to the attic or crawl space is only to service utilities, and no storage is permitted.
- b. There are no interconnected attic or crawl space areas.
- c. Air in the attic or crawl space is not circulated to other parts of the building.
- d. Attic ventilation is provided when required by 2018 IBC Section 1202.2 (2015, 2012, 2009 and 2006 IBC Section 1203.2) or IRC Section R806, except when air-impermeable insulation is permitted in unvented attics in accordance with the 2018 IBC Section 1202.3 (2015 IBC Section 1203.3) or 2018, 2015 and 2012 IRC Section R806.5 (2009 IRC Section R806.4).
- e. Under-floor (crawl space) ventilation is provided when required by 2018 IBC Section 1202.4 [2015 IBC Section 1203.4 (2012, 2009 and 2006 IBC Section 1203.3) or IRC Section R408.1, as applicable.
- f. Combustion air is provided in accordance with IMC (*International Mechanical Code*<sup>®</sup>) Section 701.

**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.

**4.3.3 Use on Attic Floors:** The insulation may be installed between and over the joists in attic floor at the maximum thickness set forth in Table 2. The insulation must be separated from the interior of the building by an approved thermal barrier. An ignition barrier prescribed in IBC Section 2603.4.1.6 and 2018, 2015, 2012 and 2009 IRC Sections R316.5.3 and R316.5.4 (2006 IRC Sections R314.5.3 and R314.5.4) may be omitted.

#### 5.0 CONDITIONS OF USE

The DC315 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 installation instructions, and the applicable code. A copy of the installation 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 DC315 coating is limited to interior/exterior satin latex paint applied at an average wet film thickness of 8.0 mils (0.20 mm) or interior/exterior coating consisting of 30% silicon alkyd having a VOC (less exempt solvents) of no more than 340 g/L (2.8 lb/gal) and a volume solids content of 62% applied at a maximum average wet film thickness of 8 mils (0.20 mm). The use of either of the two interior finishes in conjunction with a vapor retardant 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 Tables 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. For spray-applied foam plastic insulation that is not covered in an ICC-ES evaluation report, the evaluation is limited as noted in Tables 1 and 2, Footnote 3.

**5.4** The coating is manufactured in Taoyuan, Taiwan and Irvine, California, 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 2018), including room corner fire testing in accordance with NFPA 286.

**6.2** Report of testing in accordance with ASTM E84 (UL 723).

**6.3** Report of vapor permeance test in accordance with ASTM E96 (Desiccant method).

**6.4** Report of testing in accordance with Appendix X of AC377.

#### 7.0 IDENTIFICATION

**7.1** All containers of DC315 coating must be labeled with the manufacturer's name (International Fireproof Technology Inc.) and address; the product name; the date of manufacture, the shelf life or expiration date; the manufacturer's instructions for application, and the evaluation report number (ESR-3702).

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

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

**INTERNATIONAL FIREPROOF TECHNOLOGY INC.**  
**17528 VON KARMAN AVENUE**  
**IRVINE, CALIFORNIA 92614**  
**(949) 975-8588**  
[www.painttoprotect.com](http://www.painttoprotect.com)  
[ptp@painttoprotect.com](mailto:ptp@painttoprotect.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)	DC315 COATING MINIMUM THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Accella Polyurethane Systems	Bayseal CC X (ESR-2072)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Bayseal CC XP (ESR-2072)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Bayseal OC (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Bayseal OC HY (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Bayseal OCX (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	EcoBay CC (See Note 3)	7¼	7¼	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 210 (See Note 3)	8	12	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 220 (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 50 (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 50 N-IB (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	NatureSeal OCX (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	NeXGeN 2.0 (See Note 3)	8	10	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	QuadFoam® 2.0 (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	QuadFoam® 500 (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	QuadFoam® 500 OC (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Sealtite CC+ (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Sealtite OC+ (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Acme Urethanes	WC-50 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing Company dba NCFI Polyurethanes	12-008 (See Note 3)	8	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing Company dba NCFI Polyurethanes	InsulBloc® (ESR-1615)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing Company dba NCFI Polyurethanes	InsulStar® (ESR-1615)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Barnhardt Manufacturing Company dba NCFI Polyurethanes	Sealite OCX (See Note 3)	10	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
BASF Corporation	ENERTITE® G (ESR-3102)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	ENERTITE® NM (ESR-3102)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 158 (ESR-2642)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 178 (ESR-2642)	5½	11½	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 81205 (ESR-2642)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 81206 (ESR-2642)	5½	11½	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE SP (ESR-2642)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE 200 (ESR-2642)	5½	11½	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE HP+ (ESR-2642)	5½	11½	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE US (ESR-2642)	5½	11½	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>

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BASF Corporation	WALLTITE US-N (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate 50 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate 50 HY (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate 70 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate Closed Cell (See Note 3)	5 <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>
Carlisle Spray Foam Insulation	Foamsulate HFO (See Note 3)	5 <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>
Carlisle Spray Foam Insulation	Foamsulate OCX (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite D7 Closed Cell (See Note 3)	7 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite D7 One Zero Closed Cell (See Note 3)	5 <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>
Carlisle Spray Foam Insulation	SealTite D7 Open Cell (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	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)	5 <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>
Carlisle Spray Foam Insulation	SealTite PRO High Yield (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	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)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite PRO No Trim 21 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite PRO OCX (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite PRO One Zero Closed Cell (See Note 3)	5 <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>
Carlisle Spray Foam Insulation	SealTite PRO Open Cell (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
CertainTeed	Certaspray X OC (See Note 3)	5 <sup>1</sup> / <sub>4</sub>	14	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Commercial Thermal Solutions, Inc.	Tiger Foam® E-84 Fire-Rated SPF Class 1 Spray Foam System (ESR-3183)	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Air Lok 170 (See Note 3)	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	13 mils DFT 19 mils WFT	1.19 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Air Lok 45 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
DAP Foam, Inc.	Touch N' Foam Professional Class I FR Spray Foam System (ESR-3758)	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
DAP Foam, Inc.	Touch N' Seal Class I FR Spray Foam System (ESR-3758)	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Agribalance® (ESR-2600)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec APX® 2.0 (ESR-3703)	5 <sup>1</sup> / <sub>4</sub>	14	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec APX™ (ESR-3470)	8	10	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec Heatlok® HFO (ESR-4073)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec Heatlok® XT-s (ESR-3824)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec Heatlok® XT-w (ESR-3883)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec SEALECTION® 500 (ESR-1172)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	HEATLOK SOY® 200 PLUS (ESR-3210)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>

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Demilec (USA) Inc.	Heatlok® Eco (ESR-3198)	5½	9½	14 mils DFT 22 mils WFT	1.38 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Sealection NM (ESR-2668)	7½	11½	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Elastochem Specialty Chemicals, Inc.	Elastochem® Insulthane® Extreme (ESR-3809)	7¼	7¼	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Elastochem Specialty Chemicals, Inc.	Insulthane (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
EnergyOne America	EOA 2000 (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
EnergyOne America	EOA 500 (ESR-3686)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Gaco Western	F1850 (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Gaco Western	Gaco 183M (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Gaco Western	GACO F1880 (See Note 3)	9	12	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Gaco Western	Gaco Firestop2 F5001 (See Note 3)	18	18	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Gaco Western	Gaco Green 052N (See Note 3)	11¼	11¼	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Gaco Western	GacoEZSpray F4500 (See Note 3)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
General Coatings Manufacturing Corp.	Ultrathane 050 (See Note 3)	8	10	13 mils DFT 20mils WFT	1.25 gal/100 ft <sup>2</sup>
General Coatings Manufacturing Corp.	Ultra-Thane 230 (ESR-3033)	5½	7½	DTM Bonding Primer 3 mils DFT/ 4 mils WFT & DC315 12 mils DFT/ 18 mils WFT	0.25 gal/100 ft <sup>2</sup> & 1.13 gal/100 ft <sup>2</sup>
Guardian Energy Technologies	Foam It Green (See Note 3)	3½	3½	13 mils DFT 20mils WFT	1.25 gal/100 ft <sup>2</sup>
Henry Company	Permax 1.8 (See Note 3)	11¼	11¼	14 mils DFT 21 mils WFT	1.31 gal/100 ft <sup>2</sup>
Henry Company	Permax 2.0X (ESR-3647)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Henry Company	Permax 2.0X Fast (ESR-3647)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Huntsman International, LLC	CertaSpray CC (ESR-3758)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
ICP Adhesives & Sealants, Inc.	Handi-Foam E-84 Class 1(A) Spray Foam System (ESR-2717)	3½	3½	13 mils DFT 20mils WFT	1.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic (ESR-1826)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Plus (ESR-1826)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Ultra (ESR-1826)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Ultra Select (ESR-1826)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	Icynene MD-C-200 (ESR-3199)	6	10	14 mils DFT 22 mils WFT	1.38 gal/100 ft <sup>2</sup>
Icynene, Inc.	Icynene ProSeal (ESR-3500)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	Icynene ProSeal LE (ESR-3500)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	ProSeal HFO (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene, Inc.	ProSeal Max HFC (See Note 3)	6	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene-LaPolla, Inc.	Foam-Lok FL 450 (ESR-4242)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Icynene-Lapolla, Inc.	Prime Gold (ESR-4323)	8½	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Johns Manville	JM Corbond III (See Note 3)	5½	9½	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	DC315 COATING MINIMUM THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Johns Manville	JM Corbond MCS™ (ESR-3159)	7 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>4</sub>	14 mils DFT 22 mils WFT	1.38 gal/100 ft <sup>2</sup>
Johns Manville	JM Corbond oc (See Note 3)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Johns Manville	JM Corbond ocx SPF (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Johns Manville	JM MCS+ (See Note 3)	5 <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>
LaPolla Industries, Inc.	Foam-Lok FL2000 (ESR-2629)	5 <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>
LaPolla Industries, Inc.	Foam-Lok FL500 (ESR-2847)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
LaPolla Industries, Inc.	Lapolla FL 2000 4G (See Note 3)	5 <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>
LaPolla Industries, Inc.	Lapolla Foam-Lok FL 750 (ESR-4322)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ 0.5 IB (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ 0.50 PCF (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ 2.0 IBS (See Note 3)	5 <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>
Natural Polymers, LLC	Natural-Therm™ 2.0 IBW (See Note 3)	5 <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>
Natural Polymers, LLC	Natural-Therm™ Light (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ ZERO (See Note 3)	5 <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>
Nu-Wool Company Incorporated	Nu-Seal 0.5 (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Nu-Wool Company Incorporated	Nu-Seal 2.0 W (See Note 3)	5 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Polygreen Solutions	GreenSeal 44 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Preferred Solutions, Inc.	Staycell® 302 (See Note 3)	5 <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>
Profoam	ProSeal (ESR-3835)	5 <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>
Purinova Sp. z.o.o.	Purinova PURIOS 500 (ESR-4165)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
RHH Foam Systems	Versi-Foam Class I (See Note 3)	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Rhino Linings Corporation	ThermalGuard CC2 (ESR-2100)	5 <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>
Rhino Linings Corporation	ThermalGuard OC.5 (ESR-2100)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	13 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
SES Foam	Nexseal 2.0 (See Note 3)	5 <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>
SES Foam	Nexseal 2.0 LE (See Note 3)	5 <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>
SES Foam	SES 2.0 (See Note 3)	5 <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>
SES Foam	SES 2.0 LE (See Note 3)	5 <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>
SES Foam	SES Foam 0.5 lb (ESR-3375)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
SES Foam	Sucruseal™ 0.5 (ESR-3375)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Specialty Prodcuts, Inc. (S.P.I)	Envelo-Seal™ 0.5 OC (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Specialty Prodcuts, Inc. (S.P.I)	Envelo-Seal™ 2.0 IBW (See Note 3)	5 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Sustainable Polymer Products	0.5 OC (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Sustainable Polymer Products	0.5 OCX (See Note 3)	9	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Sustainable Polymer Products	2.0 CC (See Note 3)	5 <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>
SWD Urethane	Quik-Shield 100X (See Note 3)	7	11	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>

INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces)	MAXIMUM THICKNESS (in.) (Overhead Surfaces)	DC315 COATING MINIMUM THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
SWD Urethane	Quik-Shield 104 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 106 (See Note 3)	11 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	15 mils DFT 24 mils WFT	1.50 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 108 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 112 (See Note 3)	5 <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>
The Dow Chemical Company	FROTH-PAK™ (ESR-3228)	3 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
The Dow Chemical Company	STYROFOAM™ Spray Polyurethane Foam CM2045 (ESR-2670)	9 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	15 mils DFT 22 mils WFT	1.38 gal/100 ft <sup>2</sup>
The Spray Market	SPM-200 (ESR-4195)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Thermoseal	2000 (See Note 3)	5 <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>
Thermoseal	Thermoseal CCX (ESR-4137)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
Thermoseal	TS 5G (See Note 3)	5 <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>
Thermoseal	TS One (See Note 3)	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Thermoseal	TS360 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	13 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Thermoseal	TS500 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Thermoseal	TS800 (See Note 3)	8	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Universal Polymers Corporation	UPC 500 (ESR-3803)	8 <sup>1</sup> / <sub>2</sub>	14	12 mils DFT 18 mils WFT	1.13 gal/100 ft <sup>2</sup>
Urethane Technology Company, Inc.	UTC 7040-0.5 (ESR-3244)	5 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>4</sub>	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Urethane Technology Company, Inc.	UTC 7041-0.5 (ESR-3244)	5 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>4</sub>	14 mils DFT 20 mils WFT	1.25 gal/100 ft <sup>2</sup>
Volatile Free, Inc.	VFI-714 (See Note 3)	5 <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>
Volatile Free, Inc.	VFI-716 (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
XtremeSeal, LLC	XtremeSeal 0.4 LX (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
XtremeSeal, LLC	XtremeSeal 0.5 LX (See Note 3)	8 <sup>1</sup> / <sub>2</sub>	14	9 mils DFT 14 mils WFT	0.88 gal/100 ft <sup>2</sup>
XtremeSeal, LLC	XtremeSeal 2.0 LE (See Note 3)	5 <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>

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>Recognition 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 and Attic Floors)	MAXIMUM THICKNESS (in.) (Underside of Roof Sheathing and/or Rafters, Underside of Floors)	DC315 COATING MINIMUM THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
Accella Polyurethane Systems	Bayseal OC (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 50 (See Note 3)	12	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Foamsulate 50 HY (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	QuadFoam® 500 (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Accella Polyurethane Systems	Sealtite OC+ (See Note 3)	14	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Acme Urethanes	WC-50 (See Note 3)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	ENERTITE® G (ESR-3102)	11 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	ENERTITE® NM (ESR-3102)	11 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 158 (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 178 (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 81205 (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE 81206 (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	SPRAYTITE SP (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE HP+ (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE US (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
BASF Corporation	WALLTITE US-N (ESR-2642)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate 50 (See Note 3)	12	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	Foamsulate 70 (See Note 3)	14	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite PRO No Mix (See Note 3)	12	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Carlisle Spray Foam Insulation	SealTite PRO No Trim 21 (See Note 3)	14	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Air Lok 170 (See Note 3)	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Creative Polymer Solutions	Airl Lok 45 (See Note 3)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Agribalance® (ESR-2600)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Demilec SEALECTION® 500 (ESR-1172)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Demilec (USA) Inc.	Heatlok® Eco (ESR-3198)	11 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Gaco Western	Gaco Green 052N (See Note 3)	11 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Gaco Western	GacoEZSpray F4500 (See Note 3)	12	16	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
General Coatings Manufacturing Corp.	Ultrathane 050 (See Note 3)	6	8	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
General Coatings Manufacturing Corp.	Ultra-Thane 230 (ESR-3033)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic (ESR-1826)	5 <sup>1</sup> / <sub>2</sub>	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Plus (ESR-1826)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Ultra (ESR-1826)	5 <sup>1</sup> / <sub>2</sub>	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Classic Ultra Select	5 <sup>1</sup> / <sub>2</sub>	14	3 mils DFT	0.25 gal/100 ft <sup>2</sup>



INSULATION COMPANY NAME	INSULATION PRODUCT NAME	MAXIMUM THICKNESS (in.) (Vertical Surfaces and Attic Floors)	MAXIMUM THICKNESS (in.) (Underside of Roof Sheathing and/or Rafters, Underside of Floors)	DC315 COATING MINIMUM THICKNESS <sup>1</sup> (Applied to all Foam Surfaces)	MINIMUM THEORETICAL APPLICATION RATE OF COATING <sup>2</sup>
	(ESR-1826)			4 mils WFT	
Icynene, Inc.	Icynene MD-C-200 (ESR-3199)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Icynene ProSeal (ESR-3500)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene, Inc.	Icynene ProSeal LE (ESR-3500)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene-LaPolla, Inc.	Foam-Lok FL 450 (ESR-4242)	5 <sup>1</sup> / <sub>2</sub>	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Icynene-LaPolla, Inc.	Prime Gold (ESR-4323)	5 <sup>1</sup> / <sub>2</sub>	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Johns Manville	JM Corbond III (See Note 3)	7 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Johns Manville	JM MCS+ (See Note 3)	7 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
LaPolla Industries, Inc.	Foam-Lok FL500 (ESR-2847)	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ HFO (See Note 3)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Natural Polymers, LLC	Natural-Therm™ ZERO (See Note 3)	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Polygreen Solutions	GreenSeal 44 (See Note 3)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Purinova Sp. z.o.o.	Purinova PURIOS 500 (ESR-4165)	8	14	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Rhino Linings Corporation	ThermalGuard OC .5 (ESR-2100)	8	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Rhino Linings Corporation	ThermalGuard 1.0 (See Note 3)	8	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
SES Foam	SES Foam 0.5 lb (ESR-3375)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Sustainable Polymer Products	0.5 OC HY (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
SWD Urethane	Quik-Shield 108 (See Note 3)	8	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Universal Polymers Corporation	UPC 500 (ESR-3803)	8 <sup>1</sup> / <sub>2</sub>	14	4 mils DFT 6 mils WFT	0.38 gal/100 ft <sup>2</sup>
Urethane Technology Company, Inc.	UTC 7040-0.5 (ESR-3244)	5 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>4</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
Urethane Technology Company, Inc.	UTC 7041-0.5 (ESR-3244)	5 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>4</sub>	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
XtremeSeal, LLC	XtremeSeal 0.4 LX (See Note 3)	8	12	3 mils DFT 4 mils WFT	0.25 gal/100 ft <sup>2</sup>
XtremeSeal, LLC	XtremeSeal 0.5 LX (See Note 3)	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	3 mils DFT 4 mils WFT	0.25 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>Recognition 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.