

Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

NO-BURN®, INC. 1392 High Street Wadsworth, Ohio 44281 (800) 989-8577 www.noburn.com

NO-BURN® PLUS, PLUS THB, PLUS XD, PLUS MIH, ORIGINAL, ORIGINAL MIH, WOOD GARD AND WOOD GARD MIH.

**CSI Division:** 

**09 00 00 FINISHES** 

**CSI Section:** 

09 96 46 Intumescent Paints 09 96 43 Fire-Retardant Coatings

### 1.0 SCOPE OF EVALUATION

### 1.1 Compliance to the following codes & regulations:

- 2021, 2018, 2015, 2012, and 2009 International Building Code<sup>®</sup> (IBC)
- 2021, 2018, 2015, 2012, and 2009 International Residential Code<sup>®</sup> (IRC)
- 2021, 2018, 2015, 2012, and 2009 International Existing Building Code® (IEBC)
- 2021, 2018, 2015, 2012, and 2009 International Mechanical Code<sup>®</sup> (IMC)

### 1.2 Evaluated in accordance with:

- IAPMO UES EC017, Evaluation Criteria for Field-Applied Fire Protective Coatings
- ICC-ES AC377, Acceptance Criteria for Spray-Applied Foam Plastic Insulation
- ICC-ES AC456 Acceptance Criteria for Fire-Protective Coatings Applied to Spray-Applied Foam Plastic Insulation Installed Without a Code-Prescribed Thermal Barrier
- IAPMO ES1000 Standard for Building Code Compliance of Spray-Applied Polyurethane Foam
- ICC 1100 Standard for Spray-applied Polyurethane Foam Plastic Insulation

### 1.3 Properties assessed:

- Surface-burning characteristics
- Interior finishes
- Alternative thermal barrier assemblies
- Alternative ignition barrier assemblies
- Fire resistance

### 2.0 PRODUCT USE

No-Burn® coatings comply with the IBC®, IRC®, IEBC® and IMC® for use in new and existing buildings. Applied to the substrates listed in <u>Tables 1</u> through <u>6</u> of this report, No-Burn® coatings provide the following attributes:

1. Surface-burning characteristics and interior finish in accordance with Section 3.2 of this report.

Number: 305

- 2. Alternative thermal barrier assemblies in accordance with Section 3.3 of this report.
- 3. Alternative ignition barrier assemblies in accordance with Section 3.4 of this report.
- 4. Fire resistance performance in accordance with Section 3.5 and 3.6 of this report.
- 5. Use in Types I-IV Construction in accordance with Section 3.8 of this report.

### 3.0 PRODUCT DESCRIPTION

### 3.1 Product Information

**3.1.1** No-Burn® Original, No-Burn® Original Mih, No-Burn® Wood Gard and No-Burn® Wood Gard Mih are transparent, water-based liquids, packaged in 5-gallon (18.9 L) pails and 55-gallon (208 L) drums. The coatings have a shelf life of two years when stored in unopened containers between 40°F and 90°F (4.4°C and 32.2°C). No-Burn® Original, No-Burn® Original Mih, No-Burn® Wood Gard and No-Burn® Wood Gard Mih shall be mixed with a power mixing wand or equivalent at or between 500-900 RPM for a mixing time of 5 minutes per container.

3.1.2 No-Burn® Plus, No-Burn® Plus ThB, No-Burn® Plus XD, and No-Burn® Plus Mih are white, water-based latex liquids, which exhibit intumescent properties when exposed to elevated temperatures and flame, packaged in 5-gallon (18.9 L) pails and 55-gallon (208 L) drums. No-Burn® Plus, No-Burn® Plus XD, and No-Burn® Plus Mih have a shelf life of two years when stored in unopened containers between 40°F and 90°F (4.4°C and 32.2°C). No-Burn® Plus ThB has a shelf life of 1 year when stored in unopened containers between 40°F and 90°F (4.4°C and 32.2°C). No-Burn® Plus, No-Burn® Plus XD, and No-Burn® Plus Mih shall be mixed with a power mixing wand or equivalent at or between 500-1500 RPM for a mixing time of 5 minutes per container. No-Burn® Plus ThB shall be mixed with a power mixing wand or equivalent at or between 800-1200 RPM for a mixing time of 5 minutes per container.

**3.2 Surface-Burning Characteristics:** As shown in Table 1 of this report, No-Burn® Plus, No-Burn® Plus ThB, No-Burn® Plus Mih, No-Burn® Original, No-Burn® Original Mih, No-Burn® Wood Gard and No-Burn® Wood Gard Mih provide a Class A interior finish when applied to the specified substrates. When tested in accordance with ASTM E84 or UL 723, the listed coatings provide flame spread indices complying with ranges set forth for interior finishes in IBC® Section 803.1 of the 2021, 2018, 2015, 2012, and 2009 IBC®, Section R302.9 of the 2021, 2018, 2015, 2012 and 2009 IRC® and Section 602.2.1 of the 2021, 2018, 2015, 2012 and 2009 IMC®.





Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

**3.3 Alternative Thermal Barrier Assemblies:** No-Burn<sup>®</sup> Plus ThB when applied to spray-applied polyurethane foam insulation listed in <u>Table 2</u> of this report may be installed without a prescriptive 15-minute thermal barrier in accordance with Section 2603.9 of the 2021, 2018 and 2015 IBC<sup>®</sup>, Section 2603.10 of the 2012 IBC<sup>®</sup>, and Section 2603.4 of the 2009 IBC<sup>®</sup>, Section R316.6 of the 2021, 2018, 2015 and 2012 IRC<sup>®</sup>, and Section R316.4 of the 2009 IRC<sup>®</sup>.

The assemblies noted in Table 2 of this report meet the wall and ceiling finish requirements of Sections 803.1 and 803.4 of the 2021, 2018, 2015, 2012 and 2009 IBC®, Sections R302.9 and R302.10.1 of the 2021, 2018, 2015, 2012 and 2009 IRC®. Also, as shown in Table 2 of this report, No-Burn® Plus provides an alternative thermal barrier assembly for walls and ceilings when applied to Structural Insulated Panels (SIPs) with a maximum combined thickness of 12 <sup>3</sup>/8 inches (314 mm), consisting of a composite of nominal 11 ½ inches (292 mm) thick expanded polystyrene foam plastic core, (1.0 pcf [16 kg/m<sup>3</sup>], density) sandwiched between two /16-inch-thick (11 mm) oriented strand board (OSB) sheets in accordance with Section 2603.9 of the 2021, 2018 and 2015 IBC®, Section 2603.10 of the 2012 IBC®, Section 2603.4 of the 2009 and Section R316.6 of the 2021, 2018, 2015 and 2012 IRC®, and Section R316.4 of the 2009 IRC®.

**3.4 Alternative Ignition Barrier Assemblies:** No-Burn<sup>®</sup> Plus, No-Burn<sup>®</sup> Plus XD and No-Burn<sup>®</sup> Plus ThB when applied to the spray applied polyurethane foam insulations listed in Table 3 of this report may be installed in an attic or crawl space without a prescriptive ignition barrier in accordance with Sections 2603.4.1.6 of the 2021, 2018, 2015, 2012, and 2009 IBC® and Sections R316.5.3 and R316.5.4 of the 2021, 2018, 2015, 2012, and 2009 IRC® . As shown in Table 3 of this report, No-Burn® Plus XD and ZIP System® R-Sheathing may be installed in an attic or crawl space without a prescriptive ignition barrier. ZIP System® R-Sheathing (Insulating Sheathing), consists of <sup>1</sup>/16-inch-thick (11 mm) ZIP System® Wall Sheathing with a layer of maximum 1 inch thick (25.4 mm) rigid polyisocyanurate foam plastic board laminated to its interior face using PVA adhesive. The ZIP System<sup>®</sup> Wall Sheathing is OSB complying with U.S. DOC PS 2 for wood structural panels as Exposure 1 with a 24/0, 24/16, or Wall 24 span rating and is overlaid on the exterior side with a Grade D water-resistive barrier. The foam plastic insulation boards have a nominal density of 2.0 pcf (32 kg/m<sup>3</sup>), compressive strengths of 22 psi (152 kPa) and 20 psi (138 kPa), respectively, vapor permeance of less than 1.1 perm, flame-spread indices of 75 or less and smokedeveloped indices of 450 or less. The ZIP System® R- Sheathing panels are nominally 4 feet (1219 mm) wide by 8, 9, 10, 11 or 12 feet (2438, 2743, 3048, 3353, or 3658 mm) long and have square-finished-edge or machined-edge profile.

No-Burn® Plus, No-Burn® Plus XD and No-Burn® Plus ThB may be installed in an attic or crawl space without a prescriptive ignition barrier when all of the following conditions are met:

• Entry to the attic or crawl space is only to repair, maintain, and service utilities and no storage are permitted.

Number: 305

- There are no interconnected attic or crawl space areas.
- Air in the attic or crawl space is not circulated to other parts of the building.
- Attic ventilation is provided when required by Section 1202.2 of the 2021 and 2018 IBC® and 1203.2 of the 2015, 2012, and 2009 IBC® or Section R806 of the 2021, 2018, 2015, 2012 and 2009 IRC®, except when air impermeable insulation is permitted in unvented attics in accordance with Section R806.5 of the 2021, 2018, 2015 and 2012 IRC®, and Section R806.4 of the 2009 IRC®, Under-floor (crawl space) ventilation is provided, when required, by Section 1202.4 of the 2021 and 2018 IBC® and 1203.4 of the 2015 IBC®, Section 1203.3 of the 2012 and 2009 IBC® or Section R408.1 of the 2021, 2018, 2015, 2012 and 2009, as applicable.
- The foam plastic insulation is limited to the maximum thickness and density tested, shown in <u>Table 3</u> of this report.
- Combustion air is provided in accordance with Section 701 of the 2021, 2018, 2015, 2012 and 2009 IMC<sup>®</sup>.
- **3.5 Fire Resistance (Table 4):** As shown in <u>Table 4</u> of this report, No-Burn<sup>®</sup> Plus provides fire resistance to engineered wood framing members or components when applied to both sides of the web and top and bottom flanges and the interior facing side of the subfloor, once the components are installed, as an alternative to the 2-by-10 dimension lumber prescribed in Section R302.13, Exception 4 of the 2021, 2018 and 2015 IRC® and Section R501.3, Exception 4 of the 2012 IRC®. At a minimum, the assembly shall be constructed with the framing members or components in accordance with Table 4 of this report affixed to the rim board with 16d common or 10d box nails or fasteners in accordance with Table R602.3(1) of the 2021, 2018 and 2015 IRC® or 8d nails or fasteners in accordance with the 2012 and 2009 IRC®, 23/32" tongue and groove oriented strand board subfloor affixed with 8d common nails or fasteners in accordance with Table R602.3(1).
- **3.6 Fire Resistance (Table 5):** As shown in <u>Table 5</u> of this report, No-Burn<sup>®</sup> Plus provides fire resistance to engineered wood framing members or components when applied to both sides of the web and top and bottom flanges, once the components are installed, as an alternative to the 2-by-10 dimension lumber prescribed in Section R302.13, Exception 4 of the 2021, 2018 and 2015 IRC<sup>®</sup> and Section R501.3, Exception 4 of the 2012 IRC<sup>®</sup>.
- **3.7 Foam Plastic in Plenums as Interior Finish or Interior Trim (Table 2):** No-Burn® Plus ThB when applied to sprayapplied polyurethane foam insulation listed in <u>Table 2</u> of this report may be installed as an interior finish or interior trim in plenums as required by Section 2603.7 of the 2021, 2018, 2015, 2012 and 2009 IBC®, Section 602.2.1.6 of the 2021, 2018, 2015 IMC®, and Section 602.2.1.5 of the 2012 and 2009 IMC®.



Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

**3.8 Exterior Walls in Types I, II, III and IV Construction** (**Table 6**): No-Burn® Plus ThB when applied to sprayapplied polyurethane foam insulation listed in <u>Table 6</u> may be installed in or on exterior walls of buildings of Type I, II, III and IV construction complying with Section 2603.5 of the 2021, 2018, 2015, 2012 and 2009 IBC® and as described in this section. The maximum thickness of the foam plastic installed on the exterior of the sheathing or installed in stud cavities must be as described in Table 6.

### 4.0 DESIGN AND INSTALLATION

**4.1 General:** The coatings shall be field-applied to substrates in accordance with this report and the No-Burn®, Inc. published processes. When coatings are applied in accordance with Section 3.5 or Section 3.6 for Fire Resistance, the applicator shall be certified by No-Burn<sup>®</sup>, Inc. Copies of this report and the No-Burn®, Inc. instructions shall be available at the jobsite. Where conflicts occur, the more restrictive shall govern. Before and during coating application, substrate surfaces shall be dry, clean and free from loose debris, dirt, grease, oil and all prior coating materials such as paint, stains and sealers. The substrate shall not have, nor have been exposed to, treatments, chemicals, coatings, etc. Visual observation of the applied coatings varies. Opaque coatings will result in a distinctive white color. Transparent coatings may result in a distinctive color dye on the substrate. For verification of the wet applied thickness, a standard painter's thickness gauge shall be used during the application. The finished dry mil thickness will be 0.40-0.70 times the wet mil thickness. When verification of transparent coatings is required by the building official, field testing shall be conducted as follows: flame from a propanefueled torch shall be applied to the coated area and to a sample of uncoated substrate for a minimum of 10 seconds. The presence of the coating shall be observable through the comparison of the reactions of the coated and uncoated substrates to the flame.

The coatings shall be applied only to the specific substrates listed in <u>Tables 1</u> through <u>6</u> of this report. Immediately before placing the coatings, the applicator shall verify the moisture content of the substrates, as applicable, in accordance with <u>Table 1</u>, <u>Table 2</u> (SIPs only), <u>Table 4</u> or <u>Table 5</u> of this report. Substrates shall be in their final position in the building, directly exposed to the interior, protected from the weather, in conditioned and unconditioned locations. Surface and ambient temperatures before and during application shall be 40°F (4.4°C) minimum. Surface temperatures shall not exceed 100°F (37.7°C) during application. Cure time is 24 hours minimum.

The coatings shall be applied at an application rate set forth in <u>Table 1</u>, <u>Table 2</u>, <u>Table 3</u>, <u>Table 4</u>, <u>Table 5</u>, or <u>Table 6</u> of this report by spraying, roller or brush. When coatings are applied in accordance with Section 3.5 and <u>Table 4</u> or Section 3.6 and <u>Table 5</u>, the frequency of thickness measurements with a wet film thickness gauge during the application of each coat shall be at a minimum, measured once every 100 ft<sup>2</sup> (9.29 m<sup>2</sup>) of surface area.

**4.2 Design:** No-Burn® Plus, No-Burn® Plus ThB, No-Burn® Plus XD, No-Burn® Plus Mih, No-Burn® Original, No-Burn® Original Mih, No-Burn® Wood Gard and No-Burn® Wood Gard Mih shall be applied in one coat and may be overcoated with latex paint per manufacturer's instructions.

Number: 305

### 5.0 LIMITATIONS

The No-Burn® coatings described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- **5.1** The coatings shall be applied in accordance with this report, the manufacturer's instructions and the applicable code. In the event of a conflict between the manufacturer's instructions and this report, the more restrictive shall prevail.
- **5.2** Application is limited to the substrates listed in <u>Tables 1</u> through 6 of this report.
- **5.3** When coatings are applied in accordance with Section 3.5 or Section 3.6 of this report for Fire Resistance, the coatings shall be applied prior to installation of mechanical, electrical and plumbing components.
- **5.4** When coatings are applied in accordance with Section 3.5 or Section 3.6 of this report for Fire Resistance, the No-Burn® qualified applicator shall affix a No-Burn®, Inc. issued label, shown in <u>Figure 1</u> of this report, to the substrate where the coating has been applied; at a minimum, one No-Burn®, Inc. issued label shall be affixed every 10,000 feet² (929.03 m²) of floor area.
- **5.5** When coatings are applied in accordance with Section 3.5 or Section 3.6 of this report for Fire Resistance, an installation certificate as shown in Figure 2 of this report shall be completed by the certified applicator and submitted to the building official and No-Burn<sup>®</sup>, Inc.
- **5.6** No-Burn® coatings shall be applied to areas within the weatherproofing membrane or surfaces not exposed to weather, where the substrate's in-service dry-use moisture content conditions are expected to be at or less than the recommended levels in accordance with <u>Table 1</u>, <u>Table 2</u> (SIPs only), <u>Table 4</u> or <u>Table 5</u> of this report.
- **5.7** Other inspections may be required when determined to be necessary by the building official in accordance with Section R109.1.5 of the 2021, 2018, 2015, 2012 and 2009 IRC®. Special inspection shall be required when determined to be necessary by the building official in accordance with Section 1705.1.1 of the 2021, 2018, 2015 and 2012 IBC® or Section 1704.15 of the 2009 IBC®. A statement of special inspection in accordance with Section 1704.2.3 of the 2021, 2018, 2015 and 2012 IBC® or 1705 of the 2009 shall be submitted.
- **5.8** The coatings are manufactured in Sandusky, Ohio.

Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

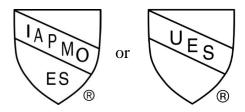
### 6.0 SUBSTANTIATING DATA

# **6.1** Data in accordance with the IAPMO UES Evaluation Criteria for Field-Applied Fire Protective Coatings (EC017) adopted February 2014 (editorially revised October 2019).

- **6.2** Data in accordance with ICC-ES AC377 Acceptance Criteria for Spray-Applied Foam Plastic Insulation, dated April 2020, (editorially revised July 2020) including test reports in accordance with Appendix X of AC377.
- **6.3** Data in accordance with ICC-ES AC456 Acceptance Criteria for Fire-Protective Coatings Applied to Spray-Applied Foam Plastic Insulation Installed Without a Code-Prescribed Thermal Barrier, dated October 2015, (editorially revised January 2021).
- **6.4** Date in accordance with IAPMO ES1000 Standard for Building Code Compliance of Spray-Applied Polyurethane Foam, published August 2020.
- **6.5** Date in accordance with ICC 1100-18 Standard for Sprayapplied Polyurethane Foam Plastic Insulation.
- **6.6** Reports of fire tests conducted in accordance with ASTM E84, ASTM E119, NFPA 285, NFPA 286 (AC377, Appendix X), UL 723, and UL 1715.
- **6.7** Third-party engineering analysis for extension of NFPA 285 results.
- **6.8** Test Reports are from laboratories in compliance with ISO/IEC 17025.

### 7.0 IDENTIFICATION

Containers of the coatings are identified by a label affixed on product packaging. The label shall include the No Burn®, Inc., name and address, product name, batch number, expiration date, application instructions, name or logo of the inspection agency and the IAPMO Uniform ES Mark of Conformity; and the Evaluation Report Number (ER-305) to identify the products recognized in this report. A die-stamp label may also substitute for the label. Either Mark of Conformity may be used as shown below:



**IAPMO UES ER-305** 

### 8.0 STATEMENT OF RECOGNITION

Number: 305

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on No-Burn® Plus, No-Burn® Plus ThB, No-Burn® Plus XD, No-Burn® Plus Mih, No-Burn® Original, No-Burn® Original Mih, No-Burn® Wood Gard and No-Burn® Wood Gard Mih to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Coatings are produced at locations noted in Section 5.8 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

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

Number: 305

Valid Through: 03/31/2023 Originally Issued: 03/21/2014 Revised: 12/20/2022

### **NO-BURN® INSTALLATION LABEL**

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Product Name:
Certified Applicator Number:
X0000000NB0000
IAPMO UES ER 305
NO-BURN®
www.noburn.com

FIGURE 1

	TABLE 1 - CLASS A INTERIOR FINISH												
SUBSTRATE	MAX MOISTURE		NO-BURN® PRODUCT NAME										
COBOTRATE	CONTENT	Plus <sup>2</sup>	Plus ThB	Plus Mih	Original	Original Mih	Wood Gard	Wood Gard Mih					
Douglas Fir	19%	6 mils wet (4 mils dry) 275 sq. ft. per gallon	NR	6 mils wet (4 mils dry) 275 sq. ft. per gallon	5mils wet (2mils dry) 300 sq. ft. per gallon	NR	5 mils wet (3 mils dry) 300 sq. ft. per gallon	5 mils wet (3 mils dry) 300 sq. ft. per gallon					
Red Oak	19%	6 mils wet (4 mils dry) 275 sq. ft. per gallon	NR	NR	NR	NR	NR	NR					
Oriented Strand Board	16%	8 mils wet (5 mils dry) 200 sq. ft. per gallon	8 mils wet (5 mils dry) 200 sq. ft. per gallon	NR	5mils wet (2 mils dry) 300 sq. ft. per gallon	NR	NR	5 mils wet (3 mils dry) 300 sq. ft. per gallon					
Southern Yellow Pine	19%	NR	NR	NR	NR	5 mils wet (2 mils dry) 300 sq. ft. per gallon	NR	NR					
Hardboard Masonite	16%	8 mils wet (5 mils dry) 200 sq. ft. per gallon	NR	NR	NR	NR	NR	NR					

 $<sup>^1</sup> NR = Not \ Recognized$   $^2 Coating \ may \ be overcoated with up to seven coats of latex paint with a pH of 7 to 8$ 



Number:

305

Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

TABLE 2 – ALTERNATIVE THERMAL BARRIE	D ACCEMBLIEC

		MAXIMUM	MAXIMUM THICKNESS (in)			IO-BURN® CO		
	NO-BURN®	THICKNESS (in) Walls	Ceilings, Underside of	MINIMUM I	NSTALLED SS (mils)		ETICAL ION RATE	Evaluation
SUBSTRATE	DUCT NAME	& Vertical Surfaces	Roof Sheathing/Rafter s & Floors	Wet Film	Dry Film	Square Feet Per Gallon	Gallons Per	Report 1,4
AMD Diamondback Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-4438
BASF Enertite G Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	14	9	115	0.87	CCRR-1032
BASF Enertite Max Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	14	9	115	0.87	CCRR-1032
BASF Spraytite SP Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-1031
BASF Spraytite 158 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-1031
BASF Spraytite 178 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	17	11	94	1.06	CCRR-1031
BASF Spraytite 81206 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	17	11	94	1.06	CCRR-1031
BASF Walltite US Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	17	11	94	1.06	CCRR-1031
BASF Spraytite Comfort Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-0374
BASF Spraytite Comfort XL Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-0374
BASF Spraytite LWP-L Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-0374
BASF Walltite LWP Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-0374
BASF Walltite Plus Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	8	14	9	115	0.87	CCRR-0374
Carlisle SealTite Pro Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-624
Carlisle Foamsulate 50 HY Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-540
Carlisle SealTite Pro High Yield Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-623
Carlisle Foamsulate 50 Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-351
Carlisle SealTite Pro No Mix Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-616
Carlilse SealTite Pro Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	ER-621
Carlisle Foamsulate Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	ER-626
Carlisle SealTite Pro HFO Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-720
Carlisle Foamsulate HFO 2.0 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	ER-841
Carlisle SealTite Pro One Zero Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	ER-640
Carlisle Foamsulate HFO Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	ER-650
Energy One America EOA 500 Open Cell Spray Foam	Plus ThB <sup>2</sup>	9	14	14	9	115	0.87	ESR-3686
Energy One America EOA 2000 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	9.5	14	9	115	0.87	ER-443
Gaco Western EZSpray F4500 Open Cell Spray Foam	Plus ThB <sup>2</sup>	12	16	14	9	115	0.87	CCRR-1107
Gaco Western 183M Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9	14	9	115	0.87	CCRR-1002
Gaco Western OnePass F1850 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-1043
Gaco Western OnePass Low GWP F1880 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	9	12.5	14	9	115	0.87	CCRR-1106
General Coatings Ultra-Thane 050 Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
General Coatings Ultra-Thane 050 Max Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
General Coatings Ultra-Thane 050 Max Pro Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
General Coatings Ultra-Thane 050X Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0362
General Coatings Ultra-Thane 170 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
General Coatings Ultra-Thane 202 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
General Coatings Ultra-Thane 202 High-Lift Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
General Coatings Ultra-Thane 205 HFO Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8	12	14	9	115	0.87	CCRR-0375
General Coatings Ultra-Thane 205 HFO High Lift Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8	12	14	9	115	0.87	CCRR-0375
Huntsman (Demilec) Sealection 500 Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	16	11	100	1.0	CCRR-1063
Huntsman (Demilec) Sealection NM Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	16	11	100	1.0	ESR-2668
Huntsman (Demilec) Agribalance Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	16	11	100	1.0	ESR-2600
Huntsman (Demilec) APX 1.2 Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	16	11	100	1.0	ESR-3470



Number:

305

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Post	TABLE 2 continued	– ALTER	RNATIVE TI	HERMAL BARI	RIER AS	SEMBI	LIES		
SPACE   Part			MAXIMUM	MAXIMUM THICKNESS	APPLIC	ATION OF N	O-BURN® CO	ATING	
Number	CURCTRATE		THICKNESS (in)	, ,	-		_		Evaluation
Hustmann Demirech Hendrick HFO Pick Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Hendrick HFO Pick Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Hendrick XT of Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Hendrick XT of Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Hendrick XT of Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Hustmann Demirech Discosed Cell Spray Foam   Pick 1156   6.5   9.5   16   11   100   1.0   ESH-AUST Hustmann Demirech Discosed Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Discosed Discosed Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Discosed Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Discosed Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Dissos Demo Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Dissos Demo Cell Spray Foam   Pick 1156   6   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Demo Cell Spray Foam   Pick 1156   8   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Dissose Demo Cell Spray Foam   Pick 1156   8   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Dissose Demo Cell Spray Foam   Pick 1156   8   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Dissose Demo Cell Spray Foam   Pick 1156   8   14   16   11   100   1.0   ESH-AUST Hustmann Deprived Dissose Demo Cell Spray Foam   Pick 1156   8   14   8   14   9   115   0.87   CERR-110   CERR-	SUBSTRATE		& Vertical	Sheathing/Rafters &			Square Feet	Gallons Per	Report 1,4
Humsmann (Demnisc) Hearton XT-s Closed Call Syray Foam Pus Th8P 0.5 9.5 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Hearton XT-s Closed Call Syray Foam Pus Th8P 0.5 9.5 16 11 100 1.0 1.0 ESR-388 Humsmann (Demnisc) Hearton XT-s Closed Call Syray Foam Pus Th8P 0.5 9.5 16 11 100 1.0 1.0 ESR-388 Humsmann (Demnisc) Hearton XT-s Closed Call Syray Foam Pus Th8P 0.5 9.5 16 11 100 1.0 1.0 ESR-388 Humsmann (Demnisc) Hearton XT-s Closed Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 1.0 ESR-388 Humsmann (Demnisc) Closed Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Closed Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Closed Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Closed Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 16 11 100 1.0 ESR-388 Humsmann (Demnisc) Call Syray Foam Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnisc) Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnisc) Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnis Pus Seal Eco Closed Cell Foam Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnis Pus Seal Eco Closed Cell Foam Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnis Pus Seal Eco Closed Cell Foam Pus Th8P 0.5 14 0.5 14 19 115 0.67 ESR-300 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 1.0 ESR-324 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 1.0 ESR-324 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 1.0 ESR-324 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 1.0 ESR-324 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 0.6 10 ESR-324 Humsmann (Demnis Pus Th8P 0.5 14 0.5 14 10 11 100 0.6 10 ESR-324 Humsmann (Demnis Pus Th8P	Huntsman (Demilec) Heatlok HFO High Lift Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	1	F	ESR-4073
Humbannan (Demilec) Heartok KTV-w Closed Cell Spray Foam Pus 1789 6.5 9.5 16 11 100 1.0 ESR-308 Furtherman (Expense) Heartok ECO Closed Cell Spray Foam Pus 1789 6.5 9.5 16 11 100 1.0 ESR-308 Furtherman (Expense) Heartok Cell Spray Foam Pus 1789 6.5 9.5 16 11 100 1.0 ESR-308 Furtherman (Expense) Heartok Cell Spray Foam Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Heartok Cell Spray Foam Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Closed Cell Spray Foam Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Closed Cell Spray Foam Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Closed Cell Spray Foam Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 11 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 17 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 17 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 17 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 16 17 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 16 17 100 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 16 17 10 10 1.0 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.4 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.4 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.4 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.4 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 8 14 9 115 0.677 ESR-308 Furtherman (Expense) Pus 1789 6.5 14 16 10 11 100 1.0 ESR-308 Furtherman (Expense) Form Lick R. 240 Open Cell Spray Foam Pus 1789 6.5 14 10 11 10 10 1.0 ESR-308 Furtherman (Expense) Form Lick R. 240 Open Cell Spray Foam Pus 1789 6.5 14 10 10 11 10 10 10 10 ESR-308 Furtherman (Expense) Form Lick R. 240 Open Cell Spray Foam Pus 1789 6.5 14 10 10 11 10 10 10 10 ESR-308 Furtherman (Expense) Form	Huntsman (Demilec) Heatlok HFO Pro Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ER-565
Huntsman (Demied Heatok ECO Ciosed Cell Spray Foom Plus TibB	Huntsman (Demilec) Heatlok XT-s Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-3824
Huntsman (typnen) Classic Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Classic Utan Select Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Classic Utan Select Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Classic Utan Select Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Classic Utan Select Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Classic Pus Open Cell Syray Foam Pus ThBI 6 14 16 11 100 1.0 ESR-122 Huntsman (typnen) Per God Open Cell Syray Foam Pus ThBI 8 18 14 14 9 115 0.87 CCRR-112 Huntsman (typnen) Per Sela Closed Cell Foam Pus ThBI 8 18 14 14 9 115 0.87 CCRR-112 Huntsman (typnen) Per Sela Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 4 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pr Sela Horo Closed Cell Foam Pus ThBI 6 14 9 115 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 15 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 15 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 14 9 115 0.87 ESR-350 Huntsman (typnen) Pus ThBI 8 14 9 115 0.87 ESR-350 Hunt	Huntsman (Demilec) Heatlok XT-w Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-3883
Huntsman (Lymene) Classic Ultra Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-122 Huntsman (Lymene) Classic Ultra Select Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-122 Huntsman (Lymene) Classic Ultra Select Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-122 Huntsman (Lymene) Nith Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-122 Huntsman (Lymene) Nith Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-122 Huntsman (Lymene) Nith Open Cell Spray Foam Pus Th89 6 14 14 14 9 115 0.87 CCRR-113 Huntsman (Lymene) Nith Open Cell Spray Foam Pus Th89 4 8 14 9 115 0.87 CCRR-114 Huntsman (Lymene) Pus Classic Classic Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 ESR-300 Huntsman (Lymene) Pus Classic Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 ESR-300 Huntsman (Lymene) Pus Classic Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 ESR-300 Huntsman (Lymene) Pus Seal HPC Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 CCRR-114 Huntsman (Lymene) Pus Seal HPC Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 ESR-300 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 CCRR-114 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 CCRR-114 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 4 8 14 9 115 0.87 CCRR-114 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Classic Cell Foam Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Foam-Lok FL 200 Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Foam-Lok FL 200 Open Cell Spray Foam Pus Th89 6 14 16 11 100 1.0 ESR-124 Huntsman (Lymene) Foam-Lok FL 200 Open Cell Spray Foam Pus Th89 6 14 14 16 11 100 1.0 ESR-124 ESR-124 Huntsman (Lymene) Foam-Lok FL 200 Open Cell Spray Foam Pus	Huntsman (Demilec) Heatlok ECO Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-3198
Hurisman (Dymene) Classe Little Select Open Cell Spray Foam	Huntsman (Icynene) Classic Open Cell Spray Foam	Plus ThB <sup>2</sup>	6	14	16	11	100	1.0	ESR-1826
Huntsman (Lynnen) Classic Plus Open Cell Spray Foam Plus ThBP 6 14 16 11 100 1.0 ESR-182   Huntsman (Lynnen) Prime Gold Open Cell Spray Foam Plus ThBP 6 14 16 11 100 1.0 ESR-822   Huntsman (Lynnen) Prime Gold Open Cell Spray Foam Plus ThBP 8 3/4 14 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 ESR-350   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 ESR-350   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 ESR-350   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 ESR-350   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Gell E Closed Cell Foam Plus ThBP 4 8 14 9 115 0.87 CCRR-112   Huntsman (Lynnen) Price Cell Foam Plus ThBP 6 14 16 11 100 1.0 ESR-424   Huntsman (Lupolia) Foam-Lok R 1-800 Open Cell Spray Foam Plus ThBP 6 14 16 11 100 1.0 ESR-424   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 6 9 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 6 9 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 6 9 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 8 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 8 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP 8 14 9 115 0.87 CCRR-101   Huntsman (Lupolia) Foam-Lok R 2-800 Closed Cell Spray Foam Plus ThBP	Huntsman (Icynene) Classic Ultra Open Cell Spray Foam	Plus ThB <sup>2</sup>	6	14	16	11	100	1.0	ESR-1826
Huntsman (keynene) Prime Gold Open Cell Spray Foam Plus Th8' 6 14 16 11 10 10 10 ESR-432.  Huntsman (keynene) No Mix Open Cell Spray Foam Plus Th8' 8 1/ 14 14 9 115 0.87 CCRR-111  Huntsman (keynene) ProSeal Eco Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 ESR-350.  Huntsman (keynene) ProSeal Eco Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 ESR-350.  Huntsman (keynene) ProSeal Ec Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 ESR-350.  Huntsman (keynene) ProSeal HSO Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 ESR-350.  Huntsman (keynene) ProSeal HSO Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 ESR-350.  Huntsman (keynene) ProSeal HSO Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 CCRR-111  Huntsman (keynene) ProSeal HSO Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 CCRR-111  Huntsman (keynene) ProSeal HSO Coles of Cell Foam Plus Th8' 4 8 14 9 115 0.87 CCRR-111  Huntsman (keynene) ProSeal HSO Coles of Cell Spray Foam Plus Th8' 4 8 14 9 115 0.87 CCRR-111  Huntsman (keynene) ProSeal HSO Coles of Cell Spray Foam Plus Th8' 6 14 16 11 100 1.0 1.0 ESR-4242  Huntsman (keynele) Foam-Lok FL 200 Open Cell Spray Foam Plus Th8' 6 14 16 11 100 1.0 ESR-82424  Huntsman (keynele) Foam-Lok FL 2000 Gore Cell Spray Foam Plus Th8' 6 9 14 9 115 0.87 CCRR-101  Huntsman (keynele) Foam-Lok FL 2000 Gore Cell Spray Foam Plus Th8' 6 9 14 9 115 0.87 CCRR-101  Huntsman (keynele) Foam-Lok FL 2000 Gore Cell Spray Foam Plus Th8' 6 9 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Coles of Cell Spray Foam Plus Th8' 6 9 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0.87 CCRR-101  Johns Marmille JM Corbond Ock Cell Spray Foam Plus Th8' 8 14 14 9 115 0	Huntsman (Icynene) Classic Ultra Select Open Cell Spray Foam	Plus ThB <sup>2</sup>	6	14	16	11	100	1.0	ESR-1826
Huntoman (kynnen) Prime Gold Open Cell Spray Foam Plus Th® 6 114 16 11 100 1.0 ESR-432 Phutostrana (kynnen) Na Mix Open Cell Spray Foam Plus Th® 8 1/4 14 14 9 115 0.87 CCRR-111 115 Na Mix Open Cell Spray Foam Plus Th® 8 1/4 14 14 9 115 0.87 CCRR-111 115 Na Mix Open Cell Spray Foam Plus Th® 4 8 14 9 115 0.87 ESR-350 Na Mix Open Cell Spray Foam Plus Th® 4 8 14 9 115 0.87 ESR-350 Na Mix Open Cell Spray Foam Plus Th® 4 8 14 9 115 0.87 ESR-350 Na Mix Open Cell Spray Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ProSeal Eco Cosed Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ProSeal HPC Octool Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ProSeal HPC Octool Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ProSeal HPC Octool Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ProSeal HPC Octool Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ND-C-200 Cosed Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ND-C-200 Cosed Cell Foam Plus Th® 4 8 14 9 115 0.87 CCRR-111 National (kynnen) ND-C-200 Cosed Cell Foam Plus Th® 6 14 16 11 100 10 10 ESR-422 National Nati	Huntsman (Icynene) Classic Plus Open Cell Spray Foam	Plus ThB <sup>2</sup>	6	14	16	11	100	1.0	ESR-1826
Huntsman (Lypene) No Mix Open Cell Spray Fearm Plus Th8F 8 % 14 14 9 115 0.87 CCRR-111 Huntsman (Lypene) ProSeal Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3509 Huntsman (Lypene) ProSeal EC Colosed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3509 Huntsman (Lypene) ProSeal EC Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3509 Huntsman (Lypene) ProSeal EC Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3509 Huntsman (Lypene) ProSeal Feb Colosed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3409 Huntsman (Lypene) ProSeal Feb Colosed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 CCRR-111 Huntsman (Lypene) ProSeal Feb Colosed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 CCRR-111 Huntsman (Lypene) MD-C-200 Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 CCRR-111 Huntsman (Lypene) MD-C-200 Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 ESR-3109 Huntsman (Lypene) MD-C-200 Closed Cell Fearm Plus Th8F 4 8 14 9 115 0.87 CSR-110 Huntsman (Lupolia) Fearm-Lok FL 250 Open Cell Spray Fearm Plus Th8F 6 14 16 11 100 1.0 ESR-322 Huntsman (Lupolia) Fearm-Lok FL 2000 Cell Spray Fearm Plus Th8F 6 14 16 11 100 1.0 ESR-322 Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-3109 Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-320 Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-320 CPH Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-320 CPH Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-320 CPH Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 6 9 14 9 115 0.87 ESR-320 CPH Huntsman (Lupolia) Fearm-Lok FL 2000 Closed Cell Spray Fearm Plus Th8F 8 14 9 115 0.87 CCRR-101 Johns Manvilla MC Corthord OCC Open Cell Spray Fearm Plus Th8F 8 14 14 9 115 0.87 CCRR-101 Johns Manvilla MC Corthord OCC Open Cell Spray Fearm Plus Th8F 8 5 14 14 9 115 0.87 CCRR-101 Johns Manvilla MC Corthord OCC Open Cell Spray Fearm Plus		Plus ThB <sup>2</sup>	6	14	16	11	100	1.0	ESR-4323
Huntsman (Lymene) ProSeal EL Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 ESR-350 Huntsman (Lymene) ProSeal EL Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 ESR-350 Huntsman (Lymene) ProSeal EL Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 ESR-350 Huntsman (Lymene) ProSeal Hor Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 ESR-350 Huntsman (Lymene) ProSeal Hor Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 CCRR-11 Huntsman (Lymene) ProSeal Hor Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 CCRR-11 Huntsman (Lymene) ProSeal Hor Closed Cell Foam Pus Th8' 4 8 14 9 115 0.87 CCRR-11 Huntsman (Lymene) ProSeal Hor Covade Cell Foam Pus Th8' 4 8 14 9 115 0.87 CCRR-11 Huntsman (Lymene) ProSeal Hor Covade Cell Foam Pus Th8' 4 8 14 9 115 0.87 CCRR-11 Huntsman (Lapolla) Foam-Lok R L 500 Open Cell Spray Foam Pus Th8' 6 14 16 11 100 1.0 ESR-424 Huntsman (Lapolla) Foam-Lok R L 500 Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Huntsman (Lapolla) Foam-Lok R L 500 Open Cell Spray Foam Pus Th8' 6 14 16 11 100 1.0 ESR-424 Huntsman (Lapolla) Foam-Lok R L 2000-3G Closed Cell Spray Foam Pus Th8' 6 9 14 9 115 0.87 CCRR-10 Huntsman (Lapolla) Foam-Lok R L 2000-4G Closed Cell Spray Foam Pus Th8' 6 9 14 9 115 0.87 CCRR-10 Huntsman (Lapolla) Foam-Lok R L 2000-Closed Cell Spray Foam Pus Th8' 6 9 14 9 115 0.87 CCRR-10 Huntsman (Lapolla) Foam-Lok R L 2000-Closed Cell Spray Foam Pus Th8' 6 9 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8 14 14 9 115 0.87 CCRR-10 Lobers Marwille JM Corbond Open Cell Spray Foam Pus Th8' 8		Plus ThB <sup>2</sup>	8 ½	14			1		CCRR-1123
#untsman (kynene) ProSeal LE Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 ESR-350 Huntsman (kynene) ProSeal LE Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) ProSeal HPC O'W Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) ProSeal HPC O'W Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) ProSeal HPC O'W Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) ProSeal HPC O'W Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) MC-200 Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) MC-200 Closed Cell Foam Pus ThB <sup>1</sup> 4 8 14 9 115 0.87 CCRR-111 Huntsman (kynene) MC-200 Closed Cell Foam Pus ThB <sup>1</sup> 5 14 16 11 100 1.0 1.0 ESR-424 Huntsman (Lapolla) Foam-Lok FL 450 Open Cell Spray Foam Pus ThB <sup>1</sup> 6 14 16 11 100 1.0 1.0 ESR-424 Huntsman (Lapolla) Foam-Lok FL 200 Open Cell Spray Foam Pus ThB <sup>1</sup> 6 14 16 11 100 1.0 ESR-432 Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell Spray Foam Pus ThB <sup>1</sup> 6 9 14 9 115 0.87 CCRR-101 Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell Spray Foam Pus ThB <sup>1</sup> 6 9 14 9 115 0.87 CCRR-101 Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell Spray Foam Pus ThB <sup>1</sup> 6 9 14 9 115 0.87 CCRR-101 Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell Spray Foam Pus ThB <sup>1</sup> 6 9 14 9 115 0.87 CCRR-101 Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell Spray Foam Pus ThB <sup>1</sup> 8 14 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond Cype Cell Spray Foam Pus ThB <sup>1</sup> 8 14 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond Cype Cell Spray Foam Pus ThB <sup>1</sup> 8 14 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond Cype Cell Spray Foam Pus ThB <sup>1</sup> 8 14 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond HV Open Cell Spray Foam Pus ThB <sup>1</sup> 8 14 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond HV Open Cell Spray Foam Pus ThB <sup>1</sup> 6 8 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond HV Open Cell Spray Foam Pus ThB <sup>1</sup> 6 8 14 9 115 0.87 CCRR-101 Lohre Marwilla JM Corbond HV Open Cell Spray Foam Pus ThB <sup>1</sup> 6 8 14 9 115 0.87		Plus ThB <sup>2</sup>	4	8		9	1	0.87	
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PSI Staycell 508 Open Cell Spray Foam Plus ThB2 8.5 14 14 9 115 0.87 QAI B102 PSI Staycell 504-2 Closed Cell Spray Foam Plus ThB2 8.5 14 14 9 115 0.87 QAI B102 SES EasySeal 0.5 Open Cell Spray Foam Plus ThB2 10 14 14 9 115 0.87 ER-492 SES SucraSeal 0.5 Open Cell Spray Foam Plus ThB2 9 14 14 9 115 0.87 ESR-3378 SES Nexseal 2.0 Closed Cell Spray Foam Plus ThB2 6 9.5 14 9 115 0.87 ER-374 SES Nexseal 2.0 LE Closed Cell Spray Foam Plus ThB2 6 9.5 14 9 115 0.87 ER-374 SWD Quik-Shield 108 Open Cell Spray Foam Plus ThB2 8 14 14 9 115 0.87 CCRR-108 SWD Quik-Shield 108 Open Cell Spray Foam Plus ThB2 8 14 14 9 115 0.87 CCRR-108 SWD Quik-Shield 112XC Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108 SWD Quik-Shield 133 Clo	<u></u>								
PSI Staycell 504-2 Closed Cell Spray Foam Plus ThB2 8.5 14 14 9 115 0.87 QAI B102 SES EasySeal 0.5 Open Cell Spray Foam Plus ThB2 10 14 14 9 115 0.87 ER-492 SES SucraSeal 0.5 Open Cell Spray Foam Plus ThB2 9 14 14 9 115 0.87 ESR-3374 SES Nexseal 2.0 Closed Cell Spray Foam Plus ThB2 6 9.5 14 9 115 0.87 ER-374 SES Nexseal 2.0 LE Closed Cell Spray Foam Plus ThB2 6 9.5 14 9 115 0.87 ER-374 SES Nexseal 2.0 LE Closed Cell Spray Foam Plus ThB2 6 9.5 14 9 115 0.87 ER-374 SWD Quik-Shield 108 Open Cell Spray Foam Plus ThB2 8 14 14 9 115 0.87 CCRR-108 SWD Quik-Shield 108YM Open Cell Spray Foam Plus ThB2 8 14 14 9 115 0.87 CCRR-108 SWD Quik-Shield 112XC Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 5 8 14 9 115 0.87 CCRR-108 SWD Quik-Shield 118 Closed Cell Spray Foam Plus ThB2 9 12.5 14 9 115 0.87 CCRR-108									
SES EasySeal 0.5 Open Cell Spray Foam         Plus ThB2         10         14         14         9         115         0.87         ER-492           SES SucraSeal 0.5 Open Cell Spray Foam         Plus ThB2         9         14         14         9         115         0.87         ESR-3378           SES Nexseal 2.0 Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SES Nexseal 2.0 LE Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SWD Quik-Shield 108 Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 13		1							
SES SucraSeal 0.5 Open Cell Spray Foam         Plus ThB2         9         14         14         9         115         0.87         ESR-3378           SES Nexseal 2.0 Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SES Nexseal 2.0 LE Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SWD Quik-Shield 108 Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-108	PSI Staycell 504-2 Closed Cell Spray Foam								QAI B1020
SES Nexseal 2.0 Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SES Nexseal 2.0 LE Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SWD Quik-Shield 108 Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-036	SES EasySeal 0.5 Open Cell Spray Foam						+		
SES Nexseal 2.0 LE Closed Cell Spray Foam         Plus ThB2         6         9.5         14         9         115         0.87         ER-374           SWD Quik-Shield 108 Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-036	1 1 7	1							ESR-3375
SWD Quik-Shield 108 Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-086	SES Nexseal 2.0 Closed Cell Spray Foam	1					1		
SWD Quik-Shield 108YM Open Cell Spray Foam         Plus ThB2         8         14         14         9         115         0.87         CCRR-108           SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-036	SES Nexseal 2.0 LE Closed Cell Spray Foam				14		115	0.87	
SWD Quik-Shield 112XC Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-101           SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-101           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-036	SWD Quik-Shield 108 Open Cell Spray Foam				14	9	115	0.87	CCRR-1051
SWD Quik-Shield 118 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-108           SWD Quik-Shield 133 Closed Cell Spray Foam         Plus ThB2         9         12.5         14         9         115         0.87         CCRR-036	SWD Quik-Shield 108YM Open Cell Spray Foam	Plus ThB <sup>2</sup>			14	9	115	0.87	CCRR-1051
SWD Quik-Shield 133 Closed Cell Spray Foam Plus ThB <sup>2</sup> 9 12.5 14 9 115 0.87 CCRR-036	SWD Quik-Shield 112XC Closed Cell Spray Foam	Plus ThB <sup>2</sup>	5	8	14	9	115	0.87	CCRR-1011
	SWD Quik-Shield 118 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	5	8	14	9	115	0.87	CCRR-1093
SWD Quik-Shield 144 Closed Cell Spray Foam         Plus ThB2         5         8         14         9         115         0.87         CCRR-039	SWD Quik-Shield 133 Closed Cell Spray Foam	Plus ThB <sup>2</sup>		12.5	14	9	115	0.87	CCRR-0368
	SWD Quik-Shield 144 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	5	8	14	9	115	0.87	CCRR-0391



Number:

305

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TABLE 2 continue	d – ALTEI	RNATIVE T	HERMAL BAR	RIER A	SSEMB	LIES		
	NO-BURN®	_	MAXIMUM THICKNESS (in) Ceilings, Underside	APPI IC	ATION OF N	O-BURN® CO THEORI	Evaluation	
SUBSTRATE	PRODUCT NAME		of Roof Sheathing/Rafters & Floors	Wet Film	Dry Film	Square Feet Per Gallon	Callone Por	Report 1, 4
ThermoSeal OCX Open Cell Spray Foam	Plus ThB <sup>2</sup>	8	14	16	11	100	1.0	CCRR-1095
ThermoSeal CCX Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-4137
ThermoSeal 2000/2000W Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	ER-581
UPC 500 Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
UPC 500 Max Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
UPC 500 Max Pro Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0358
UPC 500 OCX Open Cell Spray Foam	Plus ThB <sup>2</sup>	8.5	14	14	9	115	0.87	CCRR-0362
UPC 1.7 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
UPC 2.0 Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
UPC 2.0 HL Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
UPC 2.0 MAX Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6.5	9.5	14	9	115	0.87	CCRR-0345
UPC 2.0 HFO Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8	12	14	9	115	0.87	CCRR-0375
UPC 2.0 HFO High Lift Closed Cell Spray Foam	Plus ThB <sup>2</sup>	8	12	14	9	115	0.87	CCRR-0375
Victory Polymers VPC-CC SuperLift Closed Cell Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-4334
Victory Polymers VPC-CC SuperYield Closed Cell Foam	Plus ThB <sup>2</sup>	6.5	9.5	16	11	100	1.0	ESR-4334
Xtremeseal 0.5 LX Open Cell Spray Foam	Plus ThB <sup>2</sup>	10	14	14	9	115	0.87	ER-538
XtremeSeal 2.0 LE Closed Cell Spray Foam	Plus ThB <sup>2</sup>	6	9.5	14	9	115	0.87	ER-537
Structural Insulated Panel (SIPs) <sup>3</sup>	Plus <sup>2</sup>	N/A	N/A	12	7	134	0.75	N/A

For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 gal= 3.79 L

<sup>&</sup>lt;sup>5</sup> When coatings are applied in accordance with Table 2, the Spray Polyurethane Foam Insulation Certificate (SPFA-148), or a spray polyurethane foam insulation manufacturer insulation certificate, may be completed by the intumescent coating installer and submitted upon request.

TABLE 3 -	TABLE 3 – ALTERNATIVE IGNITION BARRIER ASSEMBLIES <sup>2</sup>											
		MAXIMUM	MAXIMUM									
	NO-BURN® PRODUCT	THICKNESS (in) Walls,	THICKNESS (in) Ceilings,	MINIMUM IN		THEORETICAL APPLICATION RATE						
SUBSTRATE	NAME <sup>1</sup>	Vertical Surfaces & Attic Floors	Underside of Roof Sheathing/Rafters & Floors	Wet Film	Dry Film	THEORETICA	Gallons Per 100 Square Feet					
BASF ENERTITE® G Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
BASF ENERTITE® Max Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
BASF SPRAYTITE® 158 Closed Cell Spray Foam	Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF SPRAYTITE® SP Closed Cell Spray Foam	Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF Spraytite Comfort Closed Cell Spray Foam	Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF Spraytite Comfort XL Closed Cell Spray Foam	Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF Spraytite LWP-L Closed Cell Spray Foam	Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF SPRAYTITE® 178 and 81206 Closed Cell Spray Foam	Plus, Plus XD or Plus ThB	9 1/4	11 ¼	12	7	134	0.75					
BASF WALLTITE® US Closed Cell Spray Foam	Plus, Plus XD or Plus ThB	9 1/4	11 ¼	12	7	134	0.75					
BASF Walltite® LWP Closed Cell Spray Foam	Plus, Plus XD or Plus ThB	8	8	6	4	267	0.37					
BASF Walltite® Plus Closed Cell Spray Foam	Plus, Plus XD or Plus ThB	8	8	6	4	267	0.37					
Carlisle SealTite Pro Open Cell Spray Foam	Plus XD or Plus ThB	11 1/4	16	6	4	267	0.37					
Carlisle Foamsulate 50 HY Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
Carlisle SealTite Pro High Yield Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
Carlisle Foamsulate 50 Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
Carlisle SealTite Pro No Mix Open Cell Spray Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
Convenience Touch 'n Seal® 2.0 PCF Closed Cell Spray Foam	Plus XD or Plus ThB	2	2	8	5	200	0.5					

<sup>&#</sup>x27;Use of No-Burn® Plus ThB for use with any insulation product listed herein is conditional upon that insulation product's compliance to AC377 in an evaluation report by an approved evaluation entity. Users shall independently verify the current validity of any evaluation report referenced herein. ER-Evaluation Reports from IAPMO Uniform Evaluation Service, CCRR-Code Compliance Research Reports from Intertek, and ESR-Evaluation Service Reports from ICC-ES.

<sup>&</sup>lt;sup>2</sup>No-Burn® Plus ThB or Plus may be overcoated or undercoated with latex paint with a pH of 7 to 8

<sup>&</sup>lt;sup>3</sup>The maximum moisture content is limited to 16%.

<sup>&</sup>lt;sup>4</sup>Approval of the use of Plus ThB for use over any insulation product listed in Table 2 is subject to the insulation meeting the requirements in the appropriate evaluation report.



**Number:** 

305

Originally Issued: 03/21/2014 Revised: 12/20/2022 Valid Through: 03/31/2023

TABLE 3 continue	TABLE 3 continued – ALTERNATIVE IGNITION BARRIER ASSEMBLIES											
		MAXIMUM	MAXIMUM	APPL	ICATION OF N	O-BURN® COA	TING					
SUBSTRATE	NO-BURN® PRODUCT	THICKNESS (in) Walls,	THICKNESS (in) Ceilings, Underside of Roof	MINIMUM IN THICKNES		-	L APPLICATION ATE					
SUBSTRATE	NAME	Vertical Surfaces & Attic Floors	Sheathing/Rafters & Floors	Wet Film	Dry Film	Square Feet Per Gallon	Sallons Per 100 Square Feet					
Creative Polymer Accufoam Open Cell Spray Foam	Plus XD or Plus ThB	8	14	6	4	267	0.37					
DAP Touch N' Seal Class I FR Closed Cell Spray Foam	Plus XD or Plus ThB	2	2	8	5	200	0.5					
Franklin Titebond Weathermaster Superfoam Closed Cell Spray Foam	Plus XD or Plus ThB	2	2	10	6	160	0.63					
Gaco Western EZ Spray F4500 Open Cell Spray Foam	Plus ThB	12	16	6	4	267	0.37					
Huber ZIP System® R-Sheathing Panel (R-3 & R-6)	Plus XD or Plus ThB	N/A	N/A	10	6	160	0.63					
Huntsman (Demilec) SEALECTION® 500 Open Cell Spray Foam	Plus XD or Plus ThB	9 1/4	11 ¼	6	4	267	0.37					
Huntsman (Demilec) Sealection NM Open Cell Spray Foam	Plus XD or Plus ThB	9 1/4	11 ¼	6	4	267	0.37					
Huntsman (Demilec) Agribalance® Open Cell Spray Foam	Plus XD or Plus ThB	9 1/2	11 ½	10	6	160	0.63					
Huntsman (Icynene) Classic Open Cell Spray Foam	Plus XD or Plus ThB	5 1/2	14	6	4	267	0.37					
Huntsman (Icynene) Classic Ultra Open Cell Spray Foam	Plus XD or Plus ThB	5 1/2	14	6	4	267	0.37					
Huntsman (Icynene) Classic Ultra Select Open Cell Spray Foam	Plus XD or Plus ThB	5 1/2	14	6	4	267	0.37					
Huntsman (Icynene) Classic Plus Open Cell Spray Foam	Plus XD or Plus ThB	8	14	6	4	267	0.37					
Huntsman (Icynene) Prime Gold Open Cell Spray Foam	Plus XD or Plus ThB	5 1/2	14	6	4	267	0.37					
Huntsman (Icynene) ProSeal Eco Closed Cell Spray Foam	Plus XD or Plus ThB	7 1/4	9 1/4	5	3	320	0.31					
Huntsman (Icynene) MD-C-200 Closed Cell Spray Foam	Plus, Plus XD or Plus ThB	11 <sup>1</sup> / <sub>4</sub>	11 1/4	16	10	100	1.0					
Huntsman (Lapolla) FL 450 Open Cell Spray Foam	Plus XD or Plus ThB	5 <sup>1</sup> / <sub>2</sub>	14	6	4	267	0.37					
Huntsman (Lapolla) FL 750 Open Cell Spray Foam	Plus XD or Plus ThB	8	14	6	4	267	0.37					
ICP Handi-Foam HVLP LD Open Cell Spay Foam	Plus XD or Plus ThB	11 ¼	16	6	4	267	0.37					
ICP Handi-Foam® E-84 Class 1(A) Closed Cell Spray Foam	Plus XD or Plus ThB	2	2	10	6	160	0.63					
Johns Manville JM Corbond HY Open Cell Spray Foam	Plus ThB	8	12	6	4	267	0.37					
SWD Quik-Shield 106 Open Cell Spray Foam	Plus ThB	8	14	6	4	267	0.37					
ThermoSeal OCX Open Cell Spray Foam	Plus XD or Plus ThB	9 1/2	11 ¼	6	4	267	0.37					
Tiger Foam® E-84 Fire Rated SPF Class 1 Spray Foam	Plus XD or Plus ThB	2	2	10	6	160	0.63					

For **SI**: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 gal = 3.79 L

<sup>&</sup>lt;sup>2</sup>When coatings are applied in accordance with Table 3, the Spray Polyurethane Foam Insulation Certificate (SPFA-148), or a spray polyurethane foam insulation manufacturer insulation certificate, may be completed by the intumescent coating installer and submitted upon request.

	TABLE 4 - FIRE RESISTANCE (See Section 3.5)											
SUBSTRATE		MINIMUM DESIGN										
	MAX MOISTURE CONTENT	Minimum Depth (in)	Web Thickness (in)	Flange Depth x Width (in)	Moment (ft-lbs)	El x 106 (in2-lbs)	Vertical Shear (lbs)	NO-BURN® PLUS¹				
I-joist: solid sawn flange	16%	9 ½	3/8	1.5 x 2	2725	170	1475	15 mils wet (9 mils dry) 107 sq. ft. per gallon				
I-joist: structural composite lumber flange	16%	9 ½	3/8	1.125 x 2	2725	170	1475	15 mils wet (9 mils dry) 107 sq. ft. per gallon				
I-joist: structural composite lumber flange	16%	11 7/8	3/8	1.125 x 1.75	3025	260	1625	15 mils wet (9 mils dry) 107 sq. ft. per gallon				

For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 gal = 3.79 L, 1 lb =  $0.45~\rm kg$  ¹No-Burn $^{\rm 0}$  Plus may be overcoated with latex paint with a pH of 7 to 8

	TABLE 5 - FIRE RESISTANCE (See Section 3.6)											
		MINIMUM DESIGN										
SUBSTRATE	MAX MOISTURE CONTENT	Minimum Depth (in)	Web Thickness (in)	Flange Depth x Width (in)	Moment (ft-lbs)	EI x 10 <sup>6</sup> (in <sup>2</sup> -lbs)	Vertical Shear (lbs)	NO-BURN® PLUS¹				
I-joist: solid sawn flange	16%	9 ½	3/8	1.5 x 2.5	2800	198	1185	23 mils wet (14 mils dry) 70 sq. ft. per gallon				
I-joist: structural composite lumber flange	16%	11 <sup>7</sup> / <sub>8</sub>	3/8	1.125 x 1.75	3025	260	1625	23 mils wet (14 mils dry) 70 sq. ft. per gallon				

For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 gal = 3.79 L, 1 lb =  $0.45~{\rm kg}$   $^1{\rm No-Burn}^{\otimes}$  Plus may be overcoated with latex paint with a pH of 7 to 8

¹No-Burn® Plus, Plus XD or Plus ThB may be overcoated with latex paint with a pH of 7 to 8



**Number:** 

305

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Wall Component	Allowable Substitutions
Base Wall Use any Item 1, 2, 3 or 4	Cast Concrete Walls     Concrete Masonry Units (CMU)     Min. 20 GA, 1.5 in. x 3 5/8 in. deep or 6-inch deep steel with 5/8-inch Type X Gypsum Wallboard interior with long dimension perpendicular to the steel studs     FRT wood studs spaced 24 inches OC (max.) with 5/8-inch Type X Gypsum Wallboard interior
Floor Line Firestopping	Minimum 4-inch-thick, 4 pcf mineral fiber (wool) safing insulation in each framing cavity (thickness to match framing depth), at each floorline.
Cavity or Interior Insulation Use any Item 1 - 7	<ol> <li>None</li> <li>Any noncombustible insulation per ASTM E136 for Base Wall 3 or 4</li> <li>Any Mineral Fiber (Board type Class A ASTM E84 faced or unfaced) for Base Wall 3 or 4</li> <li>Any Fiberglass Batt Insulation (Class A Faced or Unfaced) for Base Wall 3 or 4.</li> <li>BASF WALLTITE US and SPRAYTITE COMFORT (3<sup>5</sup>/<sub>8</sub>-inch maximum thickness) – cavity may be partially or fully filled, leaving a maximum 4-inch air cavity between the polyurethane foam insulation and the 5/8-inch Type X Gypsum Wallboard for Base Wall 3 or 4. Use minimum <sup>5</sup>/<sub>8</sub>-inch exterior sheathing for base wall</li> <li>BASF Enertite G- up to full stud cavity depth thickness for Base Wall 3 or 4</li> <li>BASF WallTite LWP up to 5<sup>1</sup>/<sub>2</sub> inches thick with up to 6-inch-deep studs.</li> <li>Note: For Cavity Insulations 5, 6, and 7, must use fire stopping at floor lines and 5/8-inch exterior gypsum sheathing except Item 7 may use ½ inch exterior gypsum sheathing. SPF is applied to the interior face of exterior gypsum sheathing of base wall 3 or 4 as the substrat and covering the cavity's width and the inside of the wall stud framing flange.</li> </ol>
Exterior Sheathing	½-inch-thick fiberglass mat, exterior gypsum board with long dimension perpendicular to the Base Wall studs.
WRB over Sheathing	1) None
Use any Item 1 or 2	2) BASF MasterSeal AWB 660 or equivalent WRB with lower heat release rate when tested to ASTM E1354
Z Girts Use Item 1, 2, or 3 for claddings requiring girts.	<ol> <li>Vertical or Horizontal metallic Z</li> <li>Horizontal Smart Ci-GreenGirt</li> <li>Horizontal Armatherm FRR Z Girt</li> <li>Note: Girt spacing shall be able to comply with required wind load per manufacturer's instructions.</li> </ol>
WRB over Exterior Insulation	None
Exterior Insulation	Max. 3 ½-inch BASF WALLTITE LWP or WALLTITE US directly on the Exterior Sheathing coated with No-Burn Plus ThB (15 wet mils) + Behr Premium Plus Exterior Paint (6 wet mils) or equivalent exterior paint.  Z-girts <sup>1,5</sup> may be oriented vertically or horizontally. Use Z-girts made of 20 GA galvanized steel with 4-inch web and 2- inch legs. Vertical Z-girts shall be installed on the Exterior Sheathing spaced 24 inches o.c. A horizontal Z-girt, with the outer leg oriented downward, shall be installed on the Exterior Sheathing at the top and bottom of the wall, and at each floorline as a through wall flashing.  Closures <sup>2,5</sup> made of a minimum 20 GA aluminum with 3-inch web by 3-inch leg by 2-inch leg. Closures shall be installed over the Exterior Wall System around the perimeter of wall at floorlines and around window openings. At the floorlines, J-trim and Z-flashings are utilized to finish the cut ends.
Exterior Cladding Use any Item 1 - 9	<ol> <li>Max. 20 GA aluminum or steel cladding oriented vertically or horizontally<sup>2</sup></li> <li>Natural Stone Veneer – minimum 2 inches thick</li> <li>Brick – Nominal 4-inch clay brick with maximum 2-inch air gap between exterior insulation and brick. Standard brick ties/anchors installed 24 inches o.c. vertically on each stud.</li> <li>Cast Artificial Stone, such as Cultured Stone and Masonry, min. 1½ inches thick complying with AC51</li> <li>Uninsulated Fiber Cement siding minimum. ¼ inches thick.</li> <li>Stucco ¾-inch minimum exterior cement plaster and lath.</li> <li>Limestone 2-inch minimum using standard non-open joint installation</li> <li>Terra Cotta Cladding 1¼-inch minimum using standard installation technique</li> <li>Autoclaved-aerated-concrete (AAC) panels (minimum 1½ inches thick)</li> <li>Combining the Exterior Cladding² and Hat Channels³ create an air cavity that allows for an overall max. air cavity of 3 inches</li> </ol>

For **SI**: 1 mil = 0.0254 mm, 1 inch = 25.4 mm

Notes to table on next page.

<sup>1</sup>Use drip caps made of min. 20 GA aluminum. The drip caps shall be installed horizontally, at the top of the wall assembly, at the bottom of the wall assembly, and at openings using one min. Type-S, #8 by ¾ in. long self-tapping pan-head screw on both the upper and lower flange of the Hat Channel.

When installed horizontally, the 3 in. leg is fastened to the Z-girts using one min. Type-S, #8 by 3/2" long self-tapping pan-head screw at each Z-girt location. When installed vertically, the 3 in. leg is fastened to the Z-girts using min. Type-S #8 by 3/4 in. long self-tapping pan-head screws spaced 12 in. OC.

<sup>2</sup>Vertically of horizontal cladding shall have no opening between adjacent cladding. Once installed vertically or horizontally fastened on one edge with the opposite edge interlocked to the adjacent cladding edge. Cladding fasteners are a min. Type-S #8 by 3/4 in. long self-tapping pan-head screw.

<sup>3</sup>Use Hat Channels made of 18 GA galvanized steel. Hat Channels may be vented or unvented. Hat Channels may be installed vertically or horizontally over the Exterior Wall

<sup>3</sup>Use Hat Channels made of 18 GA galvanized steel. Hat Channels may be vented or unvented. Hat Channels may be installed vertically or horizontally over the Exterior Wal System spaced with max. 24" OC and fastened at each Z-girt location across the span of Hat Channel using one min. Type-S, #8 by ¾ in. long self-tapping pan-head screw on both the upper and lower flange of the Hat Channel.

System spaced with max. 24 33 and labeling at control on both the upper and lower flange of the Hat Channel.

4 Sealant is silicone-based and installed as a bead in typical locations (for moisture control) along all the interfaces between the Closures, Exterior Cladding, Drip Cap, etc.

Weep hole openings in the sealant are permitted. Where sealing of vertical joints between adjacent Exterior Cladding panels is required, only use 100% silicone sealant.

Number:

305

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### **NO-BURN® PRODUCT APPLICATION CERTIFICATE**

LOCATI	ON OF B	UILDING:						
Address	Address			Lot #		City	State	Zip
DESCRIP	TION AN	D USE OF BUILDING:						
Certified A	Applicato	or Name	Com	oany		Certified A	oplicator N	umber
Moisture Meter Reading (Max % Noted in Tables 4 or 5)	Temp Reading (°F)	Describe Area Treated		Size of Area Treated (Footprint SqFt)	Product Applied	I-joist (Series, depth and OC spacing)	Qty. (Wet film thickness and total gallons applied)	Date Applied
		ı				-1		

**Certified Applicator Signature** 

**Date of Service** 

FIGURE 2