ThB *Spray Seal™*

Intumescent Coating

Spray Polyurethane Foam Insulation

MANUFACTURER

No-Burn, Inc.
1255 High Street, Suite 200
Wadsworth, Ohio 44281
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DESCRIPTION

No-Burn® ThB *Spray Seal*™ is an advanced intumescent coating designed for application over both open and closed cell spray polyurethane foam. It serves as a Class II vapor retarder, thermal barrier, and ignition barrier in a single application. This resilient coating can withstand UV exposure and weather conditions for up to 6 months. Additionally, ThB *Spray Seal*™ is fully compliant with the International Building Code and International Residential Code.

1. PRIMARY USES

For use in new and existing buildings, complying with the IBC®, IMC®, IRC®, IEBC® and other applicable codes or standards, ThB *Spray Seal™* is utilized in applications where it provides:

- Interior Finish Classification Class I or Class A:
  - Flame Spread (FS) 0
  - Smoke Development (SD) 10
- Alternative or Non-prescriptive Thermal Barrier
- Alternative or Non-prescriptive Ignition Barrier
- Class II Vapor Retardancy
- Exterior Rated Wall Assembly

Code Compliance Evaluation Reports: ER 305 & TER 1905-03.
Installation Verification: SPFA-148.

2. SPECIFICATIONS

Color:	Light Gray/Tinted Intumescent Color Wheel & Tinting
	Light Gray / **Tinted**
Finish:	Flat
VOC Content:	18 g/L EPA Method 24
Dry Time:	60-90 Minutes
Pails:	5 Gallons (19 L), 58.5 lbs.
Drums:	55 Gallon Drum (208 L), net 45 Gallons (170 L) 586.5 lbs.
Shelf Life:	12 Months
Cure Time:	24 Hours
Boiling Point:	212°F
Freezing Point:	32°F
% Volatile by Volume:	33%
Specific Gravity:	1.25

View product Safety Data Sheet (M)SDS and Best Practices for Safe Handling & Storage for more information.

3. PRODUCT PERFORMANCE

No-Burn® ThB *Spray Seal™* may be used for the *Primary Uses* expressed. As a Class II Vapor Retarder, and as a component in an alternative ignition barrier assembly or thermal barrier assembly, ThB *Spray Seal™* is a vapor retarder and intumescent fire protective coating for interior spaces where spray polyurethane foam is installed. Complies with USDA requirements for incidental food contact and ANSI/NSF 51 Food Zone Materials.

4. APPLICABLE STANDARDS

No-Burn® ThB *Spray Seal™* may be specified in compliance of the following:

AC377
AC456
ANSI/ASHRAE/ICC/USGBC Standard 189.1
ANSI/NSF 51
ASTM E84
ASTM E96
CARB
CDPH (CA Spec 01350)
CHPS
EC017
GSA PBS-P100
ICC/ASHRAE 700 NGBS
IgCC
LEED v3 2009 & v4
NFPA 286
SCAQMD Rule 1113
UL 1715

Table 1

Substrate

Material	VR[1], TB[2] or IB[3]	Film Thickness	Spread Rate
Accufoam OC Open Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Accufoam CC Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Accufoam CC-HFO Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
AMBIT AMBI-SEAL 5.0 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
AMBIT Ambi-Tite 201 (245fa) Closed SPF	VR+TB	16 wet	100 sq. ft./gal.
AMBIT Ambi-Tite 204 HFO Closed SPF	VR+TB	16 wet	100 sq. ft./gal.
Alpha Polymers AP 100 (OC) Open Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Alpha Polymers AP 200 245fa (CC) Open Cell Form	VR+TB	16 wet	100 sq. ft./gal.
Alpha Polymers AP 210 HFO (CC) Open Cell Form	VR+TB	16 wet	100 sq. ft./gal.
AMD Diamondback Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Enertite® G Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Enertite® X Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Enertite® Max Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® SP Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® 158 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® 178 Closed Cell SPF	VR+TB	17 wet	94 sq. ft./gal.
BASF Spraytite® 81206 Closed Cell SPF	VR+TB	17 wet	94 sq. ft./gal.
BASF Walltite® US Closed Cell SPF	VR+TB	17 wet	94 sq. ft./gal.
BASF Spraytite® Comfort Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® Comfort XL Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® LWP-L Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Spraytite® LWP Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Walltite® MAX Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Walltite® XL Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
BASF Walltite® Plus Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 HY Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro XRT Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 ES Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro High Yield Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro No Mix Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate HFO 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro One Zero Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Central Urethane X-Press Seal 170 Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Central Urethane X-Press Seal 200 Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Creative Polymer Solutions Accufoam OC Open Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Creative Polymer Solutions Accufoam CC Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Creative Polymer Solutions Accufoam 2.0 CC-HFO Closed Cell Foam	VR+TB	16 wet	100 sq. ft./gal.
Dynamo ECO2000 HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Dynamo ECO2000 HFO 2x Lift Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Elastochem Insulthane 450 NM Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Elastochem Insulthane 200 Evolution Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Elastochem Insulthane Extreme HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Elastochem Insulthane Extreme HL Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.

[1] Class II Vapor Retarder (VR); Evaluation Report: TER 1905-03, Table 3.
[2] Alternative Thermal Barrier (TB) Assemblies; Evaluation Report: TER 1905-03 Table 1.
[3] Alternative Ignition Barrier (IB) Assemblies; Evaluation Report: TER 1905-03 Table 2.

Table 1

Substrate

Material	VR[1], TB[2] or IB[3]	Film Thickness	Spread Rate
Enerlab Ecothane 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Everest Evercell 2.0 (245fa) Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Everest Opticell 2.0 (HFO) Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/Gaco EZSpray F4500 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/Gaco F183M Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/Gaco OnePass F1850 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/Gaco OnePass 1860 HFO SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/Gaco OnePass Low GWP F1880 SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES SucraSeal 0.5 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 LE Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Firestable Stablebase Max R HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Foam Supplies Genfoam Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Foam Supplies genX Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Foam Supplies ecostar Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Pro Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050X Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 170 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 202 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 202 High-Lift Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 202 Max Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO High-Lift CC SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO MAX CC SPF	VR+TB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO Premium CC SPF	VR+TB	16 wet	100 sq. ft./gal.
Genyk Elite 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Green Valley GVP 500 NM Open Cell	VR+TB	16 wet	100 sq. ft./gal.
Green Valley GVP 2.0 HFO Closed Cell	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene OC No-Mix Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Classic 45 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Ultra 50 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Classic 75 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene High-R 80 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene HFO 200 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene HFO Max Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Agribalance® Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO High Lift Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO Pro Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-s Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-w Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok ECO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO EZ Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Select Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Plus Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) No Mix Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal LE Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Eco Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal HFO CW Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) MD-C-200 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 450 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 500 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 750 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-3G Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-4G Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
ICP Handi-Foam HVLP LD Open Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.
ICP Handi-Foam HVLP MD Closed Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.

Table 1

Substrate

Material	VR[1], TB[2] or IB[3]	Film Thickness	Spread Rate
Innovative Polymer Systems IPS 2000 HFL Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond HY Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond OCX Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond III Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond IV Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM GEN IV Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Johns Manville JM Corbond MCS Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Natural-Therm Light Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Natural-Therm 0.5 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Ultra-Pure Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Natural-Therm Zero Closed Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 Closed Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 HFO Closed Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.
Natural Polymers Ultra-Pure Closed Cell Spray Foam	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulStar Light 12-008 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulStar Light 12-075 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulStar 11-033 1.7 HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulStar HFO Smart SPF Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulStar 11-036 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulBloc Smart Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NCFI InsulBloc 11-037 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NSF Polymers CC OG HFC Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
NSF Polymers R-Max Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Nu-Wool Nu-Seal 0.5 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Nu-Wool Nu-Seal 2.0 HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Nu-Wool Nu-Seal Plus Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
PSI Staycell 505 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
PSI Staycell 508 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
PSI Staycell 504-2 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Profoam Proseal Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Profoam Proseal Plus 1.7 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Quadrant Performance EnviroSeal HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Quadrant Performance EnviroSeal HFO MB Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Quadrant Performance EnviroSeal OC Platinum SPF	VR+TB	16 wet	100 sq. ft./gal.
Quadrant Performance EnviroSeal CC Platinum Max SPF	VR+TB	16 wet	100 sq. ft./gal.
Spray Foam Genie SFG 1.7 CC	VR+TB	16 wet	100 sq. ft./gal.
Spray Foam Genie SFG 2.0 CC	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES SucraSeal 0.5 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 LE Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 108 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 108YM Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield GOBLIN Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 112XC Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 118 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 133 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield 144 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
SWD Quik-Shield YETI Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
ThermoSeal OCX Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
ThermoSeal CCX Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
ThermoSeal 5G Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
ThermoSeal TS HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 500 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 500 Max Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 500 Max Pro Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 500 Classic Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 500 OCX Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 1.7 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 2.0 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 2.0 HL Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 2.0 MAX Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 2.0 Premium Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.

[1] Class II Vapor Retarder (VR); Evaluation Report: TER 1905-03, Table 3.
[2] Alternative Thermal Barrier (TB) Assemblies; Evaluation Report: TER 1905-03 Table 1.
[3] Alternative Ignition Barrier (IB) Assemblies; Evaluation Report: TER 1905-03 Table 2.

Table 1
Substrate

Material	VR[1], TB[2] or IB[3]	Film Thickness	Spread Rate
UPC 2.0 HFO Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
UPC 2.0 HFO High Lift Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Victory Polymers VPC-50 Open Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Xcelus XLS 200 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
Xcelus XLS 2000 Closed Cell SPF	VR+TB	16 wet	100 sq. ft./gal.
AMBIT AMBI-SEAL 5.0 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Alpha Polymers AP 100 (OC) Open Cell Foam	VR+IB	16 wet	100 sq. ft./gal.
BASF Enertite® G Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Enertite® Max Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® 158 Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® SP Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® Comfort Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® Comfort XL Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® LWP-L Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® 178 Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Spraytite® 81206 Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Walltite® US Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Walltite® LWP Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Walltite® Plus Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Walltite® MAX Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
BASF Walltite® XL Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 HY Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro XRT Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 ES Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro High Yield Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle Foamsulate 50 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Carlisle SealTite Pro No Mix Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Central Urethane X-Press Seal 50 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Convenience Touch 'n Seal® 2.0 PCF Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Creative Polymer Accufoam® Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Creative Polymer Accufoam® Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Creative Polymer Accufoam® 2.0 CC-HFO Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
DAP Touch N' Seal 2.2 PCF Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Enverge/Gaco EZSpray F4500 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Enverge/SES EasySeal ULD Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Franklin Titebond Weathermaster Superfoam Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Pro Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Genyk Elite 2.0 Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Green Valley Products GVP500 NM Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huber ZIP Systems R-Sheating Panel (R-3 & R-6)	VR+IB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Classic 45 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Ultra 50 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene Classic 75 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman Premium Icynene High-R 80 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Agribalance® Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Select Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Classic Plus Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) Prime Gold Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Eco (MD-R-200) Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Icynene) MD-C-200 Closed Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) FL 450 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) FL 750 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
ICP Handi-Foam HVLP LD Open Cell Spay Foam	VR+IB	16 wet	100 sq. ft./gal.
ICP Handi-Foam® E-84 Class 1(A) Closed Cell Spray Foam	VR+IB	16 wet	100 sq. ft./gal.
John Manville JM Corbond NM Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
John Manville JM Corbond HY Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
NSF Polymers OC-OG Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
NSF Polymers OC 365 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.

Table 1
Substrate

Material	VR[1], TB[2] or IB[3]	Film Thickness	Spread Rate
SWD Quik-Shield 106 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
ThermoSeal TS 360 Open Cell Spray Foam	VR+IB	16 wet	100 sq. ft./gal.
ThermoSeal TS 500 Open Cell Spray Foam	VR+IB	16 wet	100 sq. ft./gal.
ThermoSeal TS 800 Open Cell Spray Foam	VR+IB	16 wet	100 sq. ft./gal.
ThermoSeal OCX Open Cell Spray Foam	VR+IB	16 wet	100 sq. ft./gal.
Tiger Foam® E-84 Fire Rated Class 1 SPF	VR+IB	16 wet	100 sq. ft./gal.
UPC 500 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
UPC 500 Classic Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
UPC 500 Max Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
UPC 500 Max Pro Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.
Victory Polymers VPC-50 Open Cell SPF	VR+IB	16 wet	100 sq. ft./gal.

[1] Class II Vapor Retarder (VR); Evaluation Report: TER 1905-03, Table 3.
[2] Alternative Thermal Barrier (TB) Assemblies; Evaluation Report: TER 1905-03 Table 1.
3 Alternative Ignition Barrier (IB) Assemblies; Evaluation Report: TER 1905-03 Table 2.

5. EQUIPMENT

Methods of application include airless sprayer, roller or brush. Manufacturers and models of airless spray *Equipment* vary and examples of applicable *Equipment* follow. Airless spray *Equipment* recommendations have been linked for reference to manufacturer specifications.

Table 2
Equipment

Manufacturer	Model	
Graco®	Ultra Max II 795	Ultra Max II 1595
	Ultra Max II 1095	TexSpray Mark V
Titan®	Impact™ 840	PowrTwin™ 6900 Plus
	Impact™ 1140	PowrTwin™ 8900 Plus

Recommended tip orifice sizes of .023-.029 and airless sprayer hoses inside diameter of 3/8" for up to 50' and ½" for hose runs longer than 50'. A working section of ¼" can be used for the 10-15' right before the spray gun.

Airless paint sprayer must be capable of producing a minimum of 3,300 psi. Recommended tip sizes are .023-.029 and will vary depending on installer experience while maintaining desired wet film thickness. Variations in spray pattern width may be required depending on the surface area and the Substrate(s) to which ThB *Spray Seal™* is being applied, as well as installer experience, while maintaining minimum required wet film thickness. Removal of filter from the spray gun and pressure side of the sprayer to allow for the passage of solid content is required. Do not remove the rock guard (screen) from the bottom of the intake tube. Airless sprayer hoses are recommended to have a minimum inside diameter of 3/8" for up to 50' and ½" for hose runs longer than 50', however a working section of ¼" can be used for the 10-15' right before the spray gun. Water can be used to flush the system after installation but should not be left in the system. After flushing, a corrosion resistant, lubricating fluid recommended by the manufacturer should be run through the system prior to storage.

6. PERSONAL PROTECTION & EXPOSURE CONTROLS

Wearing a certified respirator and goggles to avoid overspray and splashing are recommended. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133. Rubber or plastic gloves are recommended for hand and arm protection. Personal cleanup may be with soap and water. If sprayed, wear an air-purifying respirator approved by NIOSH in accordance with OSHA 29 CFR 1910.134(d)(1)(ii). If used in a confined area, a full-face, powered air-purifying respirator (PAPR) or supplied-air respirator (SAR) is recommended. Use respirators in accordance with 29 CFR 1910.134(d)(3)(i)(A) Table 1, 29 CFR 1910.134(d)(3)(iii)(B) and 29 CFR 1910.134(d)(3)(iv)(B). Use appropriate

engineering controls, such as proper ventilation. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.

7. MIXING, TINTING, & OVERCOATS

ThB *Spray Seal™* must be thoroughly mixed before use in accordance with the manufacturer's recommendations. Mix with a 5 gallon paddle style wand at or between 800-1200 RPM until thoroughly mixed. Shaking No-Burn® ThB *Spray Seal™* with a paint shaker is NOT sufficient. Filtering or straining ThB *Spray Seal™* is not recommended. If No-Burn® ThB *Spray Seal™* is mixed more than 24 hours prior to use, mix it again according to manufacturer's instructions.

Thinning is usually not needed; if ThB *Spray Seal™* has been exposed to high heat, water may evaporate from the plastic 5 gallon container. If the paint level is below 3-4 inches from the top of the container, add enough water to bring the level back up to within 3 inches from the top in order to ensure proper consistency. Mix ThB *Spray Seal™* again according to manufacturer's instructions.

After mixing, if the viscosity is still too high, you may add 8 ounces of water per 5 gallon pail and mix to reduce the viscosity. Mix ThB *Spray Seal™* again according to manufacturer's instructions. Use Caution not to add too much water or the product may run and drip during application.

ThB *Spray Seal™* should never be allowed to freeze 32°F (0°C), stored between 40°F and 90°F (4.4°C and 32.2°C), and kept out of direct sunlight; if you cannot verify that these conditions have been maintained, the product may be disposed of in accordance with the manufacturer's (M)SDS.

If tinting is desired, ThB *Spray Seal™* may be tinted at a maximum rate of 2 oz. of tint per gallon with commercially available tint that is safe to be used with water-based paints. It is recommended that No-Burn® Black Tint, manufactured by No-Burn, Inc., be used for tinting. No-Burn® Black Tint can be added at a rate of 12 oz. per 5-gallon pail. Contact the manufacturer for additional tinting information.

When a specified or black color is desired, an overcoat may be used and shall be water-based with a pH of 7-8 (i.e., Sherwin Williams A-100 or Behr Premium Plus). Prior to the use of any overcoat, it is recommended that an inconspicuous area be tested for compatibility before widespread application. Compatibility may be noted as the overall satisfactory condition of the Substrate(s) once No-Burn® ThB *Spray Seal™* and an overcoat have been applied. No-Burn® Inc. makes no guarantees of color matching when using a tint from a third-party manufacturer.

8. APPLICATION

When applying No-Burn® ThB *Spray Seal™*, the coating shall be applied to *Substrate(s),* as applicable, in accordance with Evaluation Report (TER) 1905-03 and/or manufacturer's technical data sheet/instructions. Copies of relevant technical data and/or documents shall be available at the jobsite. Before and during coating application, the Substrate's surfaces shall be dry, clean and free from loose debris, dust, dirt, grease, oil, and all prior coating materials, such as paint, stains and sealers. The foam should be allowed to cool to ambient room temperature and be able to be top coated according to SPF manufacturer requirements prior to the application of ThB *Spray Seal™*, minimum 1 hour. The Substrate(s) shall not have, nor have been exposed to, treatments, chemicals, coatings, etc. prior to the application of ThB *Spray Seal™*. Visual observation of the intumescent coating is naturally and distinctively white or gray in color unless tinted. 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 0.55-0.70 times the wet mil thickness.

Substrate(s) shall be in the final position in the building, directly exposed to the interior, protected from the weather, in conditioned and unconditioned locations. Furthermore, ThB *Spray Seal™* shall be applied to areas within the weatherproofing membrane or surfaces not exposed to weather.

Installers should be mindful to prevent over spray of ThB *Spray Seal™*. If over spray does occur, ThB *Spray Seal™* does not degrade or negatively affect PVC, CPVC, Romex wiring or BX cable, metal connectors, copper or iron pipe or other building materials and can remain. Cleaning of over spray, if necessary, can be completed using hot, soapy water and heavy duty scrub pads, being mindful not to damage the surface beneath.

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. The coating shall be applied at an application rate set forth by spraying, roller or brush. Dry time is typically 60-90 minutes and cure time is 24 hours minimum, depending on the ambient temperature and relative humidity conditions. If more than one coat is required, allow No-Burn® ThB *Spray Seal™* to dry completely between coats.

It's always best to follow SPF Manufacturer guidelines first and foremost when it comes to installing ThB *Spray Seal™*, following the spray installation instructions closely. For high heat, humidity or extreme cold, ThB *Spray Seal™* guidelines are as follows.

A. ThB *Spray Seal™* can be installed to newly installed SPF based upon the top coat times of the SPF manufacturer. Please refer to the TDS of the SPF that ThB *Spray Seal™* will be applied to. Follow the installation instructions of the SPF manufacturer closely.
B. Ideal installation temperatures are 65 degrees Fahrenheit or above, and less than 65% relative humidity.
C. Ambient air and substrate temperature MUST be above 40 degrees Fahrenheit to apply ThB *Spray Seal™* and cannot drop below 40 degrees Fahrenheit until after ThB *Spray Seal™* has dried to the touch.
D. For at least 72 hours after installation of ThB *Spray Seal™*, consistent temperatures must be maintained within the installation parameters (at least 40 degrees Fahrenheit, preferably 65 degrees Fahrenheit or above) and no more than a 65% relative humidity with readings taken daily. Any conditions outside of these guidelines must be approved by No-Burn®, Inc. technical service.
E. The space where ThB *Spray Seal™* is being installed must be well ventilated, either by natural openings or with the use of mechanical ventilation equipment, both during installation and for up to 72 hours once installation is complete, to allow for the curing process to complete. Humidity of the ambient air and amount of airflow through the space will affect cure times (i.e. more humid with less air movement will take more time to cure).
F. Once cured, Plus ThB installed in interior environments exposed to high levels of humidity (i.e.: 80% sustained humidity and higher) or outside of the envelope of the structure, will require an exterior grade top coat such as Behr Premium Plus Exterior or Sherwin Williams A-100 Exterior paints. Parking structures, both above and below grade, grow houses, pool areas, and similar configurations,

will require this protection. If the designer / specifier, GC or installer have any questions regarding the humidity levels of the environment before or after Plus ThB is installed, it is recommended that they discuss with a No-Burn®, Inc. technical services manager.

Empty pails may be recycled in accordance with your local recycling and waste management requirements. If construction includes deconstruction and reclamation of plastic construction products, it may be necessary to sort plastics according to designations.

Table 3

Code Compliance

INTERNATIONAL BUILDING CODE® (IBC®)	
2021	**2018**
Chapter 8 Interior Finish	**Chapter 8 Interior Finish**
803.1.1 Interior Wall and Ceiling Finish Materials NFPA 286	803.1.1 Interior Wall and Ceiling Finish Materials NFPA 286
803.1.2 Interior Wall and Ceiling Finish Materials ASTM E84 or UL 723	803.1.2 Interior Wall and Ceiling Finish Materials ASTM E84 or UL 723
803.4 Foam Plastics	803.4 Foam Plastics
Chapter 26 Plastic	**Chapter 26 Plastic**
2603.4/2603.9 Thermal Barrier Special Approval	2603.4/2603.9 Thermal Barrier Special Approval
2603.4.1.6 Attics and Crawl Spaces	2603.4.1.6 Attics and Crawl Spaces
2015	**2012**
Chapter 8 Interior Finish	**Chapter 8 Interior Finish**
803.1.1 Interior Wall and Ceiling Finish Material	803.1.1 Interior Wall and Ceiling Finish Material
803.1.2 Corner Test for Interior Wall or Ceiling Finish	803.1.2 Corner Test for Interior Wall or Ceiling Finish
803.4 Foam Plastics	803.4 Foam Plastics
Chapter 26 Plastic	**Chapter 26 Plastic**
2603.4/2603.9 Thermal Barrier Special Approval	2603.4/2603.10 Thermal Barrier Special Approval
2603.4.1.6 Attics and Crawl Spaces	2603.4.1.6 Attics and Crawl Spaces
INTERNATIONAL MECHANICAL CODE® (IMC®)	
2021	**2018**
Chapter 6 Duct Systems	**Chapter 6 Duct Systems**
602.2 Plenums Construction FSI/SDI	602.2 Plenums Construction FSI/SDI
2015	**2012**
Chapter 6 Duct Systems	**Chapter 6 Duct Systems**
602.2 Plenums Construction FSI/SDI	602.2 Plenums Construction FSI/SDI
INTERNATIONAL RESIDENTIAL CODE® (IRC®)	
2021	**2018**
Chapter 3 Building and Planning	**Chapter 3 Building and Planning**
R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes
R316.4/R316.6 Thermal Barrier Specific Approval	R316.4/R316.6 Thermal Barrier Specific Approval
R316.5.3 (AC377 Appx X) Foam Plastic in Attics	R316.5.3 (AC377 Appx X) Foam Plastic in Attics
R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces	R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces
Chapter 7 Wall Covering	**Chapter 7 Wall Covering**
R702.7 Class II Vapor Retarder	R702.7 Class II Vapor Retarder
Chapter 8 Roof-Ceiling Construction	**Chapter 8 Roof-Ceiling Construction**
R806.5 (4) Class II vapor retarder	R806.5 (4) Class II vapor retarder
2015	**2012**
Chapter 3 Building and Planning	**Chapter 3 Building and Planning**
R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes	R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes
R316.4/R316.6 Thermal Barrier Specific Approval	R316.4/R316.6 Thermal Barrier Specific Approval
R316.5.3 (AC377 Appx X) Foam Plastic in Attics	R316.5.3 (AC377 Appx X) Foam Plastic in Attics
R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces	R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces
Chapter 7 Wall Covering	**Chapter 7 Wall Covering**
R702.7 Class II Vapor Retarder	R702.7 Class II Vapor Retarder
Chapter 8 Roof-Ceiling Construction	Chapter 8 Roof-Ceiling Construction
R806.5 (4) Class II Vapor Retarder	R806.5 (4) Class II vapor retarder

NATIONAL FIRE PROTECTION ASSOCIATION® (NFPA®) 101		
2018	**2015**	**2012**
Chapter 10 Interior Finish	**Chapter 10 Interior Finish**	**Chapter 10 Interior Finish**
10.2.3 Interior Wall/Ceiling Finish Testing & Classification	10.2.3 Interior Wall/Ceiling Finish Testing & Classification	10.2.3 Interior Wall/Ceiling Finish Testing & Classification
10.2.3.4 Required to be Tested ASTM E84 or UL 723	10.2.3.4 Required to be Tested ASTM E84 or UL 723	10.2.3.4 Required to be Tested ASTM E84 or UL 723
10.2.4.3 Cellular or Foamed Plastic (SIPs)	10.2.4.3 Cellular or Foamed Plastic (SIPs)	10.2.4.3 Cellular or Foamed Plastic (SIPs)
10.2.4.3.3 Cellular or Foamed Plastic Testing (SIPs)	10.2.4.3.1 Cellular or Foamed Plastic Testing (SIPs)	10.2.4.3.1 Cellular or Foamed Plastic Testing (SIPs)
10.2.4.3.4 Cellular or Foamed Plastic Trim (SIPs)	10.2.4.3.2 Cellular or Foamed Plastic Trim (SIPs)	10.2.4.3.2 Cellular or Foamed Plastic Trim (SIPs)
10.2.6.1 Fire Retardant Coatings FSI/SD	10.2.6.1 Fire Retardant Coatings FSI/SD	10.2.6.1 Fire Retardant Coatings FSI/SD
Chapter 33 Existing Residential Board/Care Occupancies	**Chapter 33 Existing Residential Board/Care Occupancies**	**Chapter 33 Existing Residential Board/Care Occupancies**
33.2.3.5.7.2(4)/1.4 Attics	33.2.3.5.7.2(4)/1.4 Attics	33.2.3.5.7.2(4)/1.4 Attics

Table 4

Green Standards

ANSI/ASHRAE/ICC/USGBC STANDARD 189.1	
2017	**2014**
8. Indoor Environmental Quality (IEQ)	**8. Indoor Environmental Quality (IEQ)**
8.4.2.2 Paints and Coatings	8.4.2.2 Paints and Coatings
8.4.2.2.1 Emissions Requirements	8.4.2.2.1 Emissions Requirements
8.4.2.2.2 VOC Content Requirements: a and b	8.4.2.2.2 VOC Content Requirements
8.5.2 Materials	8.5.2 Materials
9. The Buildings Impact on the Atmosphere, Materials, and Resources	**9. The Building's Impact on the Atmosphere, Materials, and Resources**
9.3.1.1 Diversion	9.3.1.1 Diversion
9.3.1.2 Total Waste	9.3.1.2 Total Waste
9.3.1.3 Construction Waste Management Plan	9.3.1.3 Construction Waste Management Plan
CALIFORNIA AIR RESOURCES BOARD (ARB)	
2008	
8. Compliance and Test Methods	
8.1 Calculation of VOC Content	8.5.9 VOC Content of Coatings
8.2 VOC Content of Coatings	Table 1, VOC Content Limits for Architectural Coatings: Flat Coatings
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)	
2017	**2010**
STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOC EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS V1.2 California Specification 01350	**STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOC EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS V1.1 CA Specification 01350**
COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS)	
2017	**2016**
Core Criteria New Construction and Renovation	**Core Criteria New Construction and Renovation**
Indoor Environmental Quality	**Indoor Environmental Quality**
Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings	Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings
EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings	EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings
Materials & Waste Management	**Materials & Waste Management**
Prerequisite MW 1.0 Storage & Collection Recyclables	Prerequisite MW 1.0 Storage & Collection Recyclables
GENERAL SERVICES ADMINISTRATION (GSA) PUBLIC BUILDING SERVICE (PBS) - P100	
2017	**2016**
Chapter 3 Architecture and Interior Design	**Chapter 3 Architecture and Interior Design**
3.5.2.19 Interior Coatings (Paint)	3.5.2.19 Interior Coatings (Paint)
Chapter 4 Prescriptive Structural Engineering	**Chapter 4 Structural Engineering**
4.3.1 Innovative Materials and Methods	4.3.1 Innovative Materials and Methods
Chapter 7 Fire Protection	**Chapter 7 Fire Protection and Life Safety**
7.1.3.3 Alternative Designs	7.3.1.3 Alternative Designs
7.15 Performance-Based Design	7.15 Performance-Based Design
ICC/ASHRAE 700 NATIONAL GREEN BUILDING STANDARD™ (NGBS)	
2015	**2012**
Chapter 6 Resource Efficiency	**Chapter 6 Resource Efficiency**
605.3 Recycled Construction Materials	605.3 Recycled Construction Materials
609.1 Regional Materials	609.1 Regional Materials
Chapter 9 Indoor Environmental Quality	**Chapter 9 Indoor Environmental Quality**
901.8 Wall Coverings	901.8 Wall Coverings
901.9 Interior Architectural Coatings	901.9 Interior Architectural Coatings
901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 901.9.3	901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 901.9.3
904.1 Indoor Air Quality (IAQ) During Construction	
904.2 Indoor Air Quality (IAQ) Post Construction	
ANSI/ASHRAE/ICC/USGBC STANDARD 189.1	
2015	**2012**
Chapter 11 Remodeling	**Chapter 11 Remodeling**
11.605.3 On-site Recycling	11.605.3 On-site Recycling
11.605.4 Recycled Construction Materials	11.605.4 Recycled Construction Materials
11.609.1 Regional Materials	11.609.1 Regional Materials
11.901.8 Wall Coverings	11.901.8 Wall Coverings
11.901.9 Interior Architectural Coatings	11.901.9 Interior Architectural Coatings
11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3	11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3
11.901.9.4 Mandatory Requirement	11.901.9.4 Mandatory Requirement
11.904.1 Indoor Air Quality (IAQ) During Construction	
11.904.2 Indoor Air Quality (IAQ) Post Construction	
Chapter 12 Remodeling of Functional Areas	**Chapter 12 Remodeling of Functional Areas**
12.1(A).609.1 Regional Materials	12.1(A).609.1 Regional Materials
12.1.901.8 Interior Wall Coverings	12.1.901.8 Interior Wall Coverings
12.1.901.9 Architectural Coatings	12.1.901.9 Architectural Coatings
12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2	12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2

Table 4 continued

Green Standards

INTERNATIONAL GREEN CONSTRUCTION CODE® (IgCC®)	
2018	**2018**
8. Indoor Environmental Quality (IEQ) 8.4.2.2 Paints and Coatings 8.4.2.2.1 Emissions Requirements 8.4.2.2.2 VOC Content Requirements: a and b 8.5.2 Materials **9. The Buildings Impact on the Atmosphere, Materials, and Resources** 9.3.1.1 Diversion 9.3.1.2 Total Waste 9.3.1.3 Construction Waste Management Plan 9.4.1.2 Regional Materials	**Chapter 5 Material Resource Conservation and Efficiency** 503.1 Construction Material and Waste Management Plan **Chapter 8 Indoor Environmental Quality and Comfort** 806.3 Architectural Paints and Coatings/Table 806.3(1) or 806.3(2)
U.S. GREEN BUILDING COUNCIL® LEED®	
v4 2018	**v3 2009**
BUILDING DESIGN (BD) AND CONSTRUCTION (C) **Materials and Resources (MR)** MR Prerequisite: Storage and Collection of Recyclables MR Credit: Building Life-Cycle Impact Reduction: Option 1 or Option 2 MR Credit: Building Product Disclosure and Optimization- Material Ingredients: Option 2 International Alternative Compliance Path- Reach Optimization MR Credit: Construction and Demolition Waste Management **Indoor Environmental Quality (EQ)** EQ Credit: Low-Emitting Materials: Option 1 **Innovation in Design (ID)** Credit 1 Innovation in Design **HOMES DESIGN (HD) and CONSTRUCTION (C)** **Materials and Resources (MR)** MR Credit: Construction Waste Management **Indoor Environmental Quality (EQ)** EQ Credit: Low-Emitting Products **INTERIOR DESIGN (ID) and CONSTRUCTION (C)** **Materials and Resources (MR)** MR Prerequisite: Storage and Collection of Recyclables MR Credit: Building Product Disclosure and Optimization- Material Ingredients: Option 2 International Alternative Compliance Path- Reach Optimization MR Credit: Construction and Demolition of Waste Management **Indoor Environmental Quality (EQ)** EQ Credit: Low-Emitting Materials: Option 1 **Innovation in Design (ID)** Credit 1 Innovation in Design	**NEW CONSTRUCTION AND MAJOR RENNOVATIONS** **Materials and Resources (MR)** MR Credit 1.1 Building Reuse- Maintain Existing Walls, Floors & Roofs MR Credit 1.2 Building Reuse- Maintain Interior Nonstructural Elements MR Credit 2 Construction Waste Management MR Credit 5 Regional Materials **Indoor Environmental Quality (IEQ)** IEQ Credit 4.2 Low Emitting Materials- Paints & Coatings **Innovation in Design (ID)** Credit 1 Innovation in Design
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1113	
2016	**2013**
Table of Standards 1, VOC Limits Flats (e) Test Methods (e)(1)(A) U.S. EPA Reference Test Method 24	**Table of Standards 1, VOC Limits** Flats (e) Test Methods (e)(1)(A) U.S. EPA Reference Test Method 24

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DESCRIPCIÓN

No-Burn® ThB *Spray Seal*™ es un recubrimiento intumescente avanzado diseñado para su aplicación sobre espuma de poliuretano en aerosol de células abiertas y cerradas. Sirve como retardador de vapor, barrera térmica y barrera de ignición Clase II en una sola aplicación. Este revestimiento resistente puede resistir la exposición a los rayos UV y las condiciones climáticas durante hasta 6 meses. Además, ThB *Spray Seal™* cumple totalmente con el Código Internacional de Construcción y el Código Residencial Internacional.

1. PRINCIPALES USOS

ThB *Spray Seal™* se puede usar en edificios nuevos y existentes, de conformidad con las normas IBC®, IMC®, IRC®, IEBC® y otros códigos o normas aplicables, y se utiliza en aplicaciones donde se ofrece:

- Clasificación de acabado interior clase I o clase A:
  - Propagación de llamas (FS) 0
  - Humo desarrollado (SD) 10
- Barrera térmica alternativa o no prescriptive
- Barrera de ignición alternativa o no prescriptiva
- Resistencia al vapor de Clase III
- Montaje de pared exterior nominal
- Conjunto de pared con clasificación exterior

Informes de evaluación de cumplimiento de códigos: ER 305 & TER 1905-03.
Verificación de instalación: SPFA-148.
Listado de diseños de Intertek: BASF/FI 30-90.

2. ESPECIFICACIONES

Color:	Blanco/Gris/Tintado Rueda de color intumescente y tintado
	Gris Claro / **Teñida**
Acabado:	Plano
Contenido de químicos orgánicos volátiles:	18 g/l método EPA 24
Tiempo de secado:	De 60 a 90 minutos
Cubetas:	5 galones (19 l), 58.5 lbs
Tambores:	tambor de 55 galones (208 l), neto 45 galones (170 l) 586.5 lbs
Vida útil:	12 meses
Tiempo de curado:	24 horas
Punto de ebullición:	212 °F (97.7 °C)
Punto de congelamiento:	32 °F (0 °C)
% volátil por volumen:	36%
Gravedad específica:	1.25

Consultar la ficha de datos de seguridad (M)SDS y Prácticas recomendadas para el manejo seguro y el almacenamiento del producto para obtener información adicional.

3. RENDIMIENTO DEL PRODUCTO

No-Burn® ThB *Spray Seal™* puede usarse para los usos principales expresados. Como componente de un conjunto de barrera de ignición alternativa o conjunto de barrera térmica, ThB *Spray Seal™* es un revestimiento intumescente contra incendios para espacios interiores donde se instala espuma de poliuretano en aerosol. Aplicado en una aplicación de una sola capa, ThB *Spray Seal™* protege de forma pasiva la superficie de espuma en aerosol al retrasar el aumento de temperatura de la espuma y al retrasar o evitar que la espuma se encienda. Aplicable para espuma de poliuretano en spray de células cerradas y células cerradas, ThB *Spray Seal™* proporciona protección contra incendios y retardancia a la vaporización de Clase III según lo exige el código para la construcción residencial, comercial y comercial. Cumple con los requisitos del USDA para contacto incidental con alimentos y materiales ANSI / NSF 51 para la zona de alimentos.

4. NORMAS APLICABLES

No-Burn® ThB *Spray Seal™* puede ser especificado en el cumplimiento de los siguientes:

AC377	EC017
AC456	GSA PBS-P100
Normas ANSI/ASHRAE/ICC/USGBC 189.1	ICC/ASHRAE 700 NGBS
Normas ANSI/NSF 51	IgCC
ASTM E84	LEED v3 2009 & v4
ASTM E96	NFPA 285
CARB	NFPA 286
CDPH (CA Spec 01350)	SCAQMD Regla 1113
CHPS	UL 1715

Tabla 1
Sustrato

Material	TB[1] or IB[2]	Grosor de Película	Índice de propagación
Accufoam OC Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Accufoam CC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Accufoam CC-HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
AMBIT AMBI-SEAL 5.0 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
AMBIT Ambi-Tite 201 (245Fa) Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
AMBIT Ambi-Tite 204 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Alpha Polymers AP 100 (OC) Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Alpha Polymers AP 200 245fa (CC) Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Alpha Polymers AP 210HFO (CC) Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
AMD Diamondback Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Enertite® G Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Enertite® X Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Enertite® Max Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® SP Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® 158 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® 178 Célula Cerrada SPF	VR+TB	17 húmedo	94 sq. ft./gal.
BASF Spraytite® 81206 Célula Cerrada SPF	VR+TB	17 húmedo	94 sq. ft./gal.
BASF Walltite® US Célula Cerrada SPF	VR+TB	17 húmedo	94 sq. ft./gal.
BASF Spraytite® Comfort Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® Comfort XL Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® LWP-L Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® LWP Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Walltite® MAX Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Walltite® XL Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
BASF Walltite® Plus Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 HY Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro XTR Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 ES Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro High Yield Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.

Tabla 1

Sustrato

Material	TB[1] or IB[2]	Grosor de Película	Índice de propagación
Carlisle SealTite Pro No Mix Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate HFO 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro One Zero Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Central Urethane X-Press Seal 170 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Central Urethane X-Press Seal 200 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Creative Polymer Solutions Accufoam OC Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Creative Polymer Solutions Accufoam CC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Creative Polymer Solutions Accufoam 2.0 CC-HFO CC SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Dynamo ECO2000 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Dynamo ECO2000 HFO 2x Lift Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Elastochem Insulthane 450 NM Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Elastochem Insulthane 200 Evolution Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Elastochem Insulthane Extreme HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Elastochem Insulthane Extreme HL Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enerlab Ecothane 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco EZSpray F4500 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco 183M Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco OnePass F1850 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco OnePass 1860 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco OnePass Low GWP F1880 SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES SucraSeal 0.5 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 LE Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Everest Evercell 2.0 (245fa) Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Everest Opticell 2.0 (HFO) Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
FireStable Stablebase Max R HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Foam Supplies Genfoam Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Foam Supplies genX Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Foam Supplies ecostar Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Pro Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050X Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 170 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 202 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 202 High-Lift Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 202 Max Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO High-Lift Célula Cerrada	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO MAX Célula Cerrada	VR+TB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO Premium Célula Cerrada	VR+TB	16 húmedo	100 sq. ft./gal.
Genyk Elite 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Green Valley GVP 500 NM Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Green Valley GVP 2.0 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene OC No-Mix Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene Classic 45 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene Ultra 50 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene Classic 75 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene High- R 80 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene HFO 200 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsmans Premium Icynene HFO Max Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Agribalance® Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.

Tabla 1

Sustrato

Material	TB[1] or IB[2]	Grosor de Película	Índice de propagación
Huntsman (Demilec) Heatlok HFO High Lift Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO Pro Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-s Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-w Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Heatlok ECO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO EZ Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Select Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Plus Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) No Mix Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal LE Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Eco Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal HFO CW Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) MD-C-200 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 450 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 500 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 750 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-3G Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-4G Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ICP Handi-Foam HVLP LD Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ICP Handi-Foam HVLP MD Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Innovative Polymer Systems IPS 2000 HFL Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond HY Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond OCX Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond III Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond IV Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM GEN IV Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Johns Manville JM Corbond MCS Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Natural-Therm Light Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Natural-Therm 0.5 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Ultra-Pure Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Natural-Therm Zero Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Natural Polymers Ultra-Pure Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulStar Light 12-008 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulStar Light 12-075 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulStar 11-033 1.7 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulStar HFO Smart SPF Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulStar 11-036 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulBloc Smart Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NCFI InsulBloc 11-037 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NSF Polymers CC OG HFC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
NSF Polymers R-Max Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Nu-Wool Nu-Seal 0.5 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Nu-Wool Nu-Seal 2.0 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Nu-Wool Nu-Seal Plus Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
PSI Staycell 505 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
PSI Staycell 508 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
PSI Staycell 504-2 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Profoam ProSeal Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Profoam ProSeal Plus 1.7 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Quadrant Performance EnviroSeal HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Quadrant Performance EnviroSeal HFO MB Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Quadrant Performance EnviroSeal OC Platinum SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Quadrant Performance EnviroSeal CC Platinum Max SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES SucraSeal 0.5 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.

Tabla 1

Sustrato

Material	TB[1] or IB[2]	Grosor de Película	Índice de propagación
Enverge/SES Nexseal 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES Nexseal 2.0 LE Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Enverge/SES EasySeal ULD Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Spray Foam Genie SFG 1.7 CC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Spray Foam Genie SFG 2.0 CC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 108 Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 108YM Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield GOBLIN Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 112XC Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 118 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 133 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 144 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield YETI Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ThermoSeal OCX Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ThermoSeal CCX Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ThermoSeal 5G Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
ThermoSeal TS HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 500 Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 500 Max Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 500 Max Pro Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 500 Clásico Celda Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 500 OCX Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 1.7 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 HL Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 MAX Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 Premium Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 HFO Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
UPC 2.0 HFO High Lift Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Victory Polymers VPC-50 Célula Abierta SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Xcelus XLS 200 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Xcelus XLS 2000 Célula Cerrada SPF	VR+TB	16 húmedo	100 sq. ft./gal.
Accufoam OC Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
AMBIT AMBI-SEAL 5.0 Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Alpha Polymers AP 100 (OC) Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Enertite® G Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Enertite® Max Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® 158 Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® SP Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® Comfort Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® Comfort XL Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® LWP-L Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® 178 Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Spraytite® 81206 Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Walltite® US Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Walltite® LWP Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Walltite® Plus Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Walltite® MAX Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
BASF Walltite® XL Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 HY Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro XTR Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 ES Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro High Yield Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle Foamsulate 50 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Carlisle SealTite Pro No Mix Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Central Urethane X-Press Seal 50 Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Convenience Touch 'n Seal 2.0 PCF Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Creative Polymer Accufoam® Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Creative Polymer Accufoam® Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Creative Polymer Accufoam® 2.0 CC-HFO Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
DAP Touch N' Seal 2.2 PCF Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Enverge/Gaco EZSpray F4500 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.

Tabla 1

Sustrato

Material	TB[1] or IB[2]	Grosor de Película	Índice de propagación
Enverge/SES EasySeal ULD Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Enverge/SES EasySeal 0.5 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Franklin Titebond Weathermaster Superfoam CC SPF	VR+IB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Pro Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Genyk Elite 2.0 Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Green Valley Products GVP500 NM Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huber ZIP Systems R-Sheathing Panel (R-3 & R-6)	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman Premium Icynene Classic 45 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman Premium Icynene Ultra 50 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman Premium Icynene Classic 75 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman Premium Icynene High-R 80 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Demilec) Agribalance® Célula Abierta	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Ultra Select Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Classic Plus Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) Prime Gold Célula Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) ProSeal Eco (MD-R-200) CC SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Icynene) MD-C-200 Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 450 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 750 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ICP Handi-Foam HVLP LD Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ICP Handi-Foam® E-84 Clase 1(A) Célula Cerrada SPF	VR+IB	16 húmedo	100 sq. ft./gal.
John Manville JM Corbond NM Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
John Manville JM Corbond HY Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
SWD Quik-Shield 106 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
NSF Polymers OC-OG Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
NSF Polymers OC 365 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ThermoSeal TS 360 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ThermoSeal TS 500 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ThermoSeal TS 800 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
ThermoSeal OCX Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Tiger Foam® E-84 Clase 1 SPF	VR+IB	16 húmedo	100 sq. ft./gal.
UPC 500 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
UPC 500 Classico Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
UPC 500 Max Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
UPC 500 Max Pro Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.
Victory Polymers VPC-50 Celda Abierta SPF	VR+IB	16 húmedo	100 sq. ft./gal.

[1] Conjuntos alternativos de barrera térmica (TB): ER 305 Tabla 2 & TER 1905-03 Tabla 1

[2] Conjuntos alternativos de barrera de ignición (IB): ER 305 Tabla 3 & TER 1905-03 Tabla 2

5. EQUIPO

Los métodos de aplicación pueden incluir atomizadores sin aire (airless), rodillo o brocha. Los fabricantes de *Equipos* y los modelos de *Equipo* atomizador de aplicador sin aire (airless) varían y a continuación presentamos ejemplos de *Equipos* aplicables. Las recomendaciones de los *Equipos* atomizadores de aplicador sin aire (airless) contienen enlaces a las especificaciones del fabricante para referencia.

Tabla 2

Equipo

Fabricante	Modelo	
Graco®	Ultra Max II 795	Ultra Max II 1595
	Ultra Max II 1095	TexSpray Mark V
Titan®	Impact™ 840	PowrTwin™ 6900 Plus
	Impact™ 1140	PowrTwin™ 8900 Plus
Recomienda usar boquillas con orificio de tamaño 0.019 a 0.025 y manguerapara atomizadores sin aire (airless) tengan un diámetro interior de ¼" o superior.		

El Equipo atomizador debe ser capaz de producir un mínimo de 3,300 psi. Recomienda usar boquillas con orificio de tamaño 0.019 a 0.025 y manguerapara. Se recomienda quitar los filtros de la pistola atomizadora para permitir el paso del contenido sólido. No retire la protección contra rocas (pantalla) de la parte inferior del tubo de admisión. Se recomienda que las manguerapara atomizadores sin aire (airless) tengan un diámetro interior de ¼" o superior. Probablemente se requieran variaciones en el ancho del patrón de atomizado y el tamaño de la boquilla según el área expuesta y el *Sustrato(s)* donde se aplica el producto. La limpieza de los *Equipos* se puede llevar a cabo con agua, u otros métodos recomendados por el fabricante del *Equipo*.

6. PROTECCIÓN PERSONAL Y CONTROLES DE EXPOSICIÓN

Se recomienda usar un respirador certificado y gafas de seguridad para evitar el rociado y salpicaduras. La protección para los ojos y la cara debe estar en conformidad con la norma OSHA 29 CFR 1910,133. Se recomienda usar guantes de goma o plástico para la protección de manos y brazos. La limpieza personal puede ser con agua y jabón.

Si se aplica con atomizacor, utilizar un respirador con purificador de aire aprobado por NIOSH de conformidad con la norma OSHA 29 CFR 1910,134 (d)(1)(ii). Si se utiliza en un área limitada, se recomienda utilizar un respirador con purificador de aire de cara completa (PAPR) o un respirador con suministro de aire (SAR). Utilizar los respiradores de conformidad con las normas 29 CFR 1910,134 (d)(3)(i) (A) Cuadro 1, 29 CFR 1910.134(d)(3)(iii)(B) y 29 CFR 1910.134(d)(3)(iv)(B).
Utilizar controles de ingeniería adecuados, como una ventilación adecuada. Cuando estos sistemas no son eficaces, se debe usar equipo de protección personal adecuado, que funcione de manera satisfactoria y cumpla con la norma OSHA u otras normas reconocidas.

7. MEZCLA, PINTADO Y SOBRETUBOS

ThB *Spray Seal™* debe mezclarse completamente antes de su uso de acuerdo con las recomendaciones del fabricante. Mezcle con una varilla mezcladora eléctrica de 5 galones a 800-1200 RPM o entre 800 y 1200 RPM hasta que esté completamente mezclado. Agitar No-Burn® ThB *Spray Seal™* con un agitador de pintura NO es suficiente. No se recomienda filtrar o filtrar ThB *Spray Seal™*. Si No-Burn® ThB *Spray Seal™* se mezcla más de 24 horas antes de usarlo, vuelva a mezclarlo de acuerdo con las instrucciones del fabricante. Generalmente no se necesita adelgazar; Si ThB *Spray Seal™* ha estado expuesto a altas temperaturas, el agua puede evaporarse del contenedor plástico de 5 galones. Si el nivel de pintura está por debajo de 3-4 pulgadas desde la parte superior del recipiente, agregue suficiente agua para que el nivel vuelva a estar a 3 pulgadas de la parte superior para garantizar la consistencia adecuada. Mezcle ThB *Spray Seal™* nuevamente de acuerdo con las instrucciones del fabricante.

Después de mezclar, si la viscosidad sigue siendo demasiado alta, puede agregar 8 onzas de agua por cubo de 5 galones y mezclar para reducir la viscosidad. Mezcle ThB *Spray Seal™* nuevamente de acuerdo con las instrucciones del fabricante. Tenga cuidado de no agregar demasiada agua o el producto podría correr y gotear durante la aplicación.ThB *Spray Seal™* nunca debe permitirse que se congele a 32 ° F (0 ° C), almacenado entre 40 ° F y 90 ° F (4.4 ° C y 32.2 ° C), y se mantenga alejado de la luz solar directa; Si no puede verificar que se han mantenido estas condiciones, el producto se puede desechar de acuerdo con la FDS (M) del fabricante. Si se desea teñir, ThB *Spray Seal™* se puede teñir a una velocidad máxima de 2 oz. de tinte por galón con tinte disponible comercialmente que sea seguro para usar con pinturas a base de agua. Se recomienda utilizar No-Burn® Black Tint, fabricado por No-Burn, Inc., para teñir. No-Burn® Black Tint se puede agregar a razón de 12 oz por cubo de 5 galones. Comuníquese con el fabricante para obtener información adicional sobre tintes. Cuando se desea un color específico o negro, se puede utilizar una capa superior a base de agua con un pH de 7 a 8 (es decir, Sherwin Williams A-100 o Behr Premium Plus). Antes de usar cualquier capa, se recomienda probar la compatibilidad en un área discreta antes de una aplicación generalizada. La compatibilidad se puede considerar como la condición general satisfactoria del(los) sustrato(s) una vez que se hayan aplicado No-Burn® ThB *Spray Seal™* y una capa superior. No-Burn® Inc. no ofrece garantías de coincidencia de colores cuando se utiliza un tinte de un fabricante externo.

8. APLICACIÓN

Al aplicar No-Burn® ThB *Spray Seal™*, el recubrimiento debe aplicarse al *Sustrato(s),* según corresponda, de acuerdo con el Informe de evaluación (ER) 305, Informe de evaluación (TER) 1905-03 y / o lashojas de datos técnicos del fabricante. Copias de datos técnicos relevantes y / o documentos estarán disponibles en el lugar de trabajo. Antes y durante la aplicación del recubrimiento, las superficies del *Sustrato(s)* deberán estar secas, limpias y libres de suciedad, polvo, aceite, grasa, y todo material de recubrimiento anterior, como son pinturas, tintes y selladores. La espuma debe dejarse enfriar a temperatura ambiente antes de la aplicación de No-Burn® ThB *Spray Seal™*, por lo menos 1 hora. El *Sustrato(s)* no debe tener, ni haber sido expuesto a, tratamientos, sustancias químicas, recubrimientos, etc. antes de la aplicación de ThB *Spray Seal™*. La observación visual de un recubrimiento intumescente es de un distintivo color blanco por naturaleza. Para la verificación del espesor aplicado en húmedo, se debe usar un medidor de espesores estándar para pintores durante la aplicación. El espesor del producto seco será de 0.55 a 0.70 veces el espesor húmedo. Plu ThB *Spray Seal™* se aplicará en los *Sustrato(s)*, según corresponda, de conformidad con las recomendaciones del fabricante. Los *Sustrato(s)* deberán estar en su posición final en el edificio, expuestos directamente al interior, protegidos de la intemperie, en lugares acondicionados y no acondicionados. Además, ThB *Spray Seal™* se aplicará en las zonas dentro de la membrana impermeabilizante o superficies no expuestas a la intemperie. Los instaladores deben tener cuidado de evitar la pulverización excesiva de ThB *Spray Seal™*. Si se produce un exceso de pulverización, ThB *Spray Seal™* no degrada ni afecta negativamente el PVC, CPVC, el cableado Romex o el cable BX, los conectores metálicos, las tuberías de cobre o hierro u otros materiales de construcción y puede permanecer. La limpieza del exceso de rociado, si es necesario, se puede completar usando agua caliente con jabón y estropajos resistentes, teniendo cuidado de no dañar la superficie debajo. La temperaturas de la superficie y la ambiental antes y durante la aplicación será de al menos 40 °F (4.4 °C). Las temperaturas de superficie no deben exceder de 100 °F (37.7 °C) durante la aplicación. El recubrimiento se aplicará en una tasa de aplicación establecida mediante atomización, rodillo o pincel.
El tiempo de secado es típicamente de 60 a 90 minutos y el tiempo de curado es de 24 horas como mínimo, aunque depende de la temperatura ambiente y la humedad relativa. Si es necesario aplicar más de una capa, deje secar el No-Burn® ThB *Spray Seal™* completamente entre capas.
Siempre es mejor seguir ante todo las directrices de SPF Manufacturer cuando se trata de instalar ThB *Spray Seal™*, siguiendo estrictamente las instrucciones de instalación de rociado. En caso de temperaturas

elevadas, humedad o frío extremo, las directrices de ThB *Spray Seal™* son las siguientes.

A. ThB *Spray Seal™* se puede instalar en un SPF recién instalado según los tiempos de aplicación de la capa superior del fabricante del SPF. Consulte la información de datos técnicos del SPF al que se aplicará ThB *Spray Seal™*. Siga atentamente las instrucciones de instalación del fabricante del SPF.

B. Las temperaturas ideales de instalación son 65 grados Fahrenheit o más y menos del 65 % de humedad relativa.

C. La temperatura ambiente del aire y del sustrato DEBE ser superior a 40 grados Fahrenheit para aplicar ThB *Spray Seal™* y no puede bajar de 40 grados Fahrenheit hasta que ThB *Spray Seal™* se haya secado al tacto.

D. Durante al menos 72 horas después de la instalación de ThB *Spray Seal™*, se deben mantener temperaturas constantes dentro de los parámetros de instalación (al menos 40 grados Fahrenheit, preferiblemente 65 grados Fahrenheit o más) y no más del 65% de humedad relativa con lecturas tomadas diariamente. Cualquier condición fuera de estas pautas debe ser aprobada por el servicio técnico de No-Burn®, Inc.

E. El espacio donde se esté instalando ThB *Spray Seal™* debe estar bien ventilado, ya sea por aberturas naturales o con el uso de equipos de ventilación mecánica, tanto durante la instalación como por hasta 72 horas una vez finalizada la instalación, para permitir que se complete el proceso de curado. . La humedad del aire ambiente y la cantidad de flujo de aire a través del espacio afectarán los tiempos de curado (es decir, más húmedo con menos movimiento de aire tomará más tiempo para curar).

F. Una vez curado, Plus ThB instalado en ambientes interiores expuestos a altos niveles de humedad (es decir, 80% de humedad sostenida y más) o fuera de la envoltura de la estructura, requerirá una capa superior de grado exterior como Behr Premium Plus Exterior o Pinturas exteriores Sherwin Williams A-100. Las estructuras de estacionamiento, tanto por encima como por debajo del nivel del suelo, casas de cultivo, áreas de piscinas y configuraciones similares, requerirán esta protección. Si el diseñador/especificador, el GC o el instalador tienen alguna pregunta sobre los niveles de humedad del ambiente antes o después de la instalación de Plus ThB, se recomienda que hablen con un gerente de servicios técnicos de No-Burn®, Inc.

Los cubos vacíos se pueden reciclar de acuerdo con los requisitos locales de reciclaje y gestión de residuos. Si la construcción incluye la deconstrucción y recuperación de productos plásticos de construcción, puede ser necesario clasificar los plásticos según sus designaciones.

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