

Description

Albi Cote TB is an aqueous, thin-film intumescent coating that, upon exposure to high temperatures and flames, swells to form a charred barrier that safeguards various substrates from fire. Compliance with fire performance standards is achieved when applied at the correct wet film thickness.

KEY APPLICATIONS

- Designed for both new and existing structures, Albi Cote TB is in accordance with IBC®, IMC®, IRC®, IEBC® and other relevant codes or standards. It serves multiple functions such as:
 - Interior Finish Classifications of Class I or Class A: FS 0 / SD 10
 - Substitute or Non-standard Thermal Barrier
 - Substitute or Non-standard Ignition Barrier
 - Class III Vapor Retarder
 - Exterior Wall Rating
 - Certification Reference: TER 2308-01 SPFA 126 & SPFA 148

TECHNICAL SPECIFICATIONS

- Stock Colors: White, Grey, (Contact us for more color options - volume requirement)
- Finish: Matte
- VOC Levels: 18 g/L using EPA Method 24
- Drying Period: 60-90 Minutes
- Packaging: 5 Gallons (19 L), 58.5 lbs. or 55 Gallon Drum (208 L), net 45 Gallons (170 L), 586.5 lbs.
- Shelf Life: One Year
- Curing Duration: 24 Hours
- Boiling Temperature: 212° F
- Freezing Threshold: 32° F
- Percent Volatiles by Volume: 38%
- Specific Gravity: 1.25
- For additional details, consult the product Safety Data Sheet (M)SDS and Optimal Handling and Storage Guidelines.

FUNCTIONAL PERFORMANCE

- Albi Cote TB is suited for the aforementioned Key Applications. As a key element in an alternative ignition or thermal barrier system, it acts as a fire-resistant layer for interior areas where spray polyurethane foam insulation is applied. This one-coat treatment enhances fire safety by slowing down the foam's temperature increase and inhibiting or delaying its ignition. Albi Cote TB is compatible with both open-cell and closed-cell spray polyurethane foams and satisfies the fire protection and Class III vapor retarder requirements for residential and commercial construction. It also meets the USDA guidelines for incidental food contact and ANSI/NSF 51 Food Zone Materials.

RELEVANT STANDARDS

- Albi Cote TB aligns with the following certifications:
 - AC377, EC017, AC456, GSA PBS-P100, ANSI/ASHRAE/ICC/USGBC Standard 189.1, ICC/ASHRAE 700 NGBS, ANSI/NSF 51, IgCC, ASTM E84 and ASTM E84 30-MIN Extension (ASTM E2768), LEED v3 2009 & v4, ASTM E96, NFPA 285, CARB, NFPA 286, CDPH (CA Spec 01350), SCAQMD Rule 1.113, CHPS, UL 1715.

Material	Substrate		
	TB ¹ or IB ²	Film Thickness	Spread Rate
Accufoam CC Closed Cell Foam	TB	14wet	115 sq. ft./gal.
Accufoam CC-HFO Closed Cell Foam	TB	14wet	115 sq. ft./gal.
AMBIT AMBI-SEAL 5.0 Open Cell SPF	TB	14wet	115 sq. ft./gal.
AMBIT Ambi-Tite 201 (245fa) Closed Cell SPF	TB	14wet	115 sq. ft./gal.
AMBIT Ambi-Tite 204 HFO Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Alpha Polymers AP 100 (OC) Open Cell Foam	TB	14wet	115 sq. ft./gal.
AMD Diamondback Closed Cell SPF	TB	16wet	100 sq. ft./gal.
BASF Enercite® G Open Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Enercite® Max Open Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Spraytite® SP Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Spraytite® 158 Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Spraytite® 178 Closed Cell SPF	TB	17wet	94 sq. ft./gal.
BASF Spraytite® 81206 Closed Cell SPF	TB	17wet	94 sq. ft./gal.
BASF Walltite® US Closed Cell SPF	TB	17wet	94 sq. ft./gal.
BASF Spraytite® Comfort Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Spraytite® Comfort XL Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Spraytite® LWP Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Walltite® MAX Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Walltite® XL Closed Cell SPF	TB	14wet	115 sq. ft./gal.
BASF Walltite® Plus Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro Open Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle Foamsulate 50 HY Open Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro High Yield Open Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle Foamsulate 50 Open Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro No Mix Open Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle Foamsulate Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro HFO Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle Foamsulate HFO 2.0 Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle SealTite Pro One Zero Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Carlisle Foamsulate HFO Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Central Urethane X-Press Seal 170 Closed Cell Foam	TB	14wet	115 sq. ft./gal.
Central Urethane X-Press Seal 200 Closed Cell Foam	TB	14wet	115 sq. ft./gal.
Creative Polymer Solutions Accufoam CC Closed Cell Foam	TB	14wet	115 sq. ft./gal.
Creative Polymer Solutions Accufoam 2.0 CC-HFO Closed Cell Foam	TB	14wet	115 sq. ft./gal.
Elastochem Insulthane 200 Evolution Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Elastochem Insulthane Extreme HFO Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Elastochem Insulthane Extreme HL Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Energy One America EOA500 Open Cell Spray Foam	TB	14wet	115 sq. ft./gal.
Energy One America EOA2000 Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Everest Evercell 2.0 (245fa) Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Everest Opticell 2.0 (HFO) Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Foam Supplies Genfoam Open Cell SPF	TB	14wet	115 sq. ft./gal.
Foam Supplies genX Open Cell SPF	TB	14wet	115 sq. ft./gal.
Foam Supplies ecostar Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Gaco EZSpray F4500 Open Cell SPF	TB	14wet	115 sq. ft./gal.
Gaco F183M Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Gaco OnePass F1850 Closed Cell SPF	TB	14wet	115 sq. ft./gal.
Gaco OnePass 1860 HFO SPF	TB	14wet	115 sq. ft./gal.
Gaco OnePass Low GVP F1880 SPF	TB	14wet	115 sq. ft./gal.
General Coatings Ultra-Thane 050 Open Cell SPF	TB	14wet	115 sq. ft./gal.

¹ Alternative Thermal Barrier (TB) Assemblies; Evaluation Reports: TER 2308-01 Table 1

² Alternative Ignition Barrier (IB) Assemblies; Evaluation Reports: TER 2308-01 Table 2

Table 1 Continued

Material	Substrate		
	TB ¹ or IB ²	Film Thickness	Spread Rate
General Coatings Ultra-Thane 050 Max Pro Open Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 050 Max Open Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 050X Open Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 170 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 202 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 202 High-Lift Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
General Coatings Ultra-Thane 205 HFO High-Lift Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Agribalance® Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) APX 1.2 Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO High Lift Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO Pro Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-s Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok XT-w Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok ECO Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Demilec) Heatlok HFO EZ Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) Classic Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) Classic Ultra Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) Classic Ultra Select Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) Classic Plus Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) Prime Gold Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) No Mix Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) ProSeal Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) ProSeal LE Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) ProSeal Eco Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) ProSeal HFO Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) ProSeal HFO CW Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Icyne) MD-C-200 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 450 Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 500 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 750 Open Cell SPF	TB	16 wet	100 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-3G Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000-4G Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Huntsman (Lapolla) Foam-Lok FL 2000 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
ICP Handi-Foam HVLPLD Open Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
ICP Handi-Foam HVLPLD Closed Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond HY Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond OCX Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond III Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond IV Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM GEN IV Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Johns Marville JM Corbond MCS Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Natural Polymers Natural-Therm Zero Closed Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 Closed Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
Natural Polymers Natural-Therm 2.0 HFO Closed Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
Natural Polymers Ultra-Pure Closed Cell Spray Foam	TB	14 wet	115 sq. ft./gal.
NCFI InsulStar Light 12-008 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
NCFI InsulStar Light 12-075 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
NCFI InsulStar 11-036 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
NCFI InsulBloc 11-037 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
PSI Staycell 505 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
PSI Staycell 508 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
PSI Staycell 504-2 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SES EasySeal 0.5 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
SES SucraSeal 0.5 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
SES Nexseal 2.0 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SES Nexseal 2.0 LE Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 108 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 108YM Open Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 112XC Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 118 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 133 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield 144 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
SWD Quik-Shield YETI Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
ThermoSeal 5G Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
ThermoSeal TS HFO Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
ThermoSeal OCX Open Cell SPF	TB	16 wet	100 sq. ft./gal.
ThermoSeal CCX Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
ThermoSeal 2000/2000W Closed Cell SPF	TB	14 wet	100 sq. ft./gal.
UPC 500 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 500 Max Open Cell SPF	TB	14 wet	115 sq. ft./gal.

UPC 500 Max Pro Open Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 500 OCX Open Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 1.7 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 2.0 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 2.0 HL Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 2.0 MAX Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 2.0 HFO Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
UPC 2.0 HFO High Lift Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Victory Polymers VPC-50 Open Cell SPF	TB	14 wet	115 sq. ft./gal.
Victory Polymers VPC-CC SuperLift Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Victory Polymers VPC-CC SuperYield Closed Cell SPF	TB	16 wet	100 sq. ft./gal.
Xcelus XLS 200 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
Xcelus XLS 2000 Closed Cell SPF	TB	14 wet	115 sq. ft./gal.
XtremeSeal 0.4 LX Open Cell SPF	TB	14 wet	115 sq. ft./gal.
XtremeSeal 0.5 LX Open Cell SPF	TB	14 wet	115 sq. ft./gal.
XtremeSeal 2.0 LE Closed Cell SPF	TB	14 wet	115 sq. ft./gal.

1 Alternative Thermal Barrier (TB) Assemblies; Evaluation Reports: TER 2308-01 Table 1
 2 Alternative Ignition Barrier (IB) Assemblies; Evaluation Reports: TER 2308-01 Table 2

Table 2

Material	Substrate		
	TB ¹ or IB ²	Film Thickness	Spread Rate
AMBIB AMBI-SEAL 5.0 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Enercite® G Open Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Enercite® Max Open Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® 158 Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® SP Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® Comfort Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® Comfort XL Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® LWP-L Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Spraytite® 178 Closed Cell SPF	IB	12 wet	134 sq. ft./gal.
BASF Spraytite® 81206 Closed Cell SPF	IB	12 wet	134 sq. ft./gal.
BASF Walltite® US Closed Cell SPF	IB	12 wet	134 sq. ft./gal.
BASF Walltite® LWP Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Walltite® MAX Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Walltite® XL Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
BASF Walltite® Plus Closed Cell SPF	IB	6 wet	267 sq. ft./gal.
Carlisle SealTite Pro Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Carlisle Foamsulate 50 HY Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Carlisle SealTite Pro High Yield Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Carlisle Foamsulate 50 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Carlisle SealTite Pro No Mix Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Creative Polymer Accufoam® Open Cell SPF	IB	6 wet	267 sq. ft./gal.
DAP Touch N' Seal 2.2 PCF Closed Cell SPF	IB	8 wet	200 sq. ft./gal.
Franklin Titebond Weathermaster Superfoam Closed Cell SPF	IB	10 wet	160 sq. ft./gal.
Gaco EZSpray F4500 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Holcim SES EasySeal ULD Spray Foam Insulation	IB	6 wet	267 sq. ft./gal.
Huber ZIP Systems R-Sheating Panel (R-3 & R-6)	IB	10 wet	160 sq. ft./gal.
Huntsman (Demilec) Sealection® 500 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Demilec) Sealection® NM Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Demilec) Agribalance® Open Cell SPF	IB	10 wet	160 sq. ft./gal.
Huntsman (Icyne) Classic Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Icyne) Classic Ultra Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Icyne) Classic Ultra Select Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Icyne) Classic Plus Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Icyne) Prime Gold Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Icyne) MD-C-200 Closed Cell SPF	IB	16 wet	100 sq. ft./gal.
Huntsman (Icyne) ProSeal Eco (MD-R-200) Closed Cell SPF	IB	5 wet	320 sq. ft./gal.
Huntsman (Lapolla) FL 450 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
Huntsman (Lapolla) FL 750 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
ICP Handi-Foam HVLPLD Open Cell Spray Foam	IB	6 wet	267 sq. ft./gal.
ICP Handi-Foam® E-84 Class 1(A) Closed Cell Spray Foam	IB	10 wet	267 sq. ft./gal.
Johns Marville JM Corbond HY Open Cell SPF	IB	6 wet	267 sq. ft./gal.
SWD Quik-Shield 106 Open Cell SPF	IB	6 wet	267 sq. ft./gal.
ThermoSeal TS 360 Open Cell Spray Foam	IB	4 wet	401 sq. ft./gal.
ThermoSeal TS 500 Open Cell Spray Foam	IB	4 wet	401 sq. ft./gal.
ThermoSeal TS 800 Open Cell Spray Foam	IB	4 wet	401 sq. ft./gal.
ThermoSeal OCX Open Cell Spray Foam	IB	6 wet	267 sq. ft./gal.
Tiger Foam® E-84 Fire Rated Class 1 SPF	IB	10 wet	160 sq. ft./gal.
Victory Polymers VPC-50 Open Cell SPF	IB	6 wet	267 sq. ft./gal.

Albi Protective Coatings, Division of Stanchem-Inc.
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- **Tool Requirements**
 - Our protective coating can be applied via high-pressure sprayers, rollers, or traditional brushes. Different brands and models of sprayers are usable, with specific ones linked for your convenience. Ensure your sprayer operates at a minimum of 3,300 psi. We suggest nozzle sizes ranging between 419-425 and 519-525. It's advisable to remove the filter in the spray gun to facilitate the flow of solid content, but keep the intake tube's mesh screen in place. Hose internal diameters should be a quarter-inch or greater. Depending on the substrate and surface dimensions, you may need to tweak the spray pattern and nozzle. Equipment cleaning can be done with water or as directed by the equipment's manual.

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 .019 - .025 and airless sprayer hoses inside diameter of ¼" or larger.		

- **Safety Protocols and Risk Mitigation**
 - Always put on a certified respirator and safety goggles to safeguard against any accidental overspray or splatter. Hand protection via rubber or plastic gloves is also advised. For personal cleaning, soap and water are sufficient. Respirators should comply with OSHA 29 CFR 1910.134(d)(1)(ii). If the application occurs in a confined space, consider using a powered air-purifying respirator (PAPR) or supplied-air respirator (SAR), consistent with OSHA guidelines. If needed, implement proper engineering controls like adequate ventilation.
- **Prepping, Color Customization, and Additional Coating Layers**
 - Our product needs thorough mixing using a 5-gallon power mixer at RPM levels between 800-1200. Shaking is not sufficient. If the product has thickened due to heat, you can add a bit of water to restore its consistency. If the product was mixed more than a day before, re-mix as per the guidelines. Tinting is possible using our specific color additives. Water-based overcoats are also an option, but test a hidden area for compatibility first.
- **Application Steps**
 - Follow the instructions in TER 2308-01 and the accompanying technical sheets closely. The surface should be free of dirt, grease, and other coatings. Allow it to cool for a minimum of one hour before application. Verify wet and dry coating thickness with a painter's gauge. Adhere to specified temperature and humidity levels. If multiple layers are required, ensure each layer is dry before applying the next.
- **Waste Management and Environmental Considerations**
 - Dispose of empty containers per your local regulations, ensuring they are free of residue. For construction projects involving plastic reclamation, sorting might be necessary.

Table 3		
Code Compliance		
INTERNATIONAL BUILDING CODE® (IBC®)		
2021		2018
Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Materials NFPA 286 803.1.2 Interior Wall and Ceiling Finish Materials ASTM E84 or UL 723 803.4 Foam Plastics Chapter 26 Plastic 2603.4/2603.9 Thermal Barrier Special Approval 2603.4.1.6 Attics and Crawl Spaces		Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Materials NFPA 286 803.1.2 Interior Wall and Ceiling Finish Materials ASTM E84 or UL 723 803.4 Foam Plastics Chapter 26 Plastic 2603.4/2603.9 Thermal Barrier Special Approval 2603.4.1.6 Attics and Crawl Spaces
2015		2012
Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Material 803.1.2 Corner Test for Interior Wall or Ceiling Finish 803.4 Foam Plastics Chapter 26 Plastic 2603.4/2603.9 Thermal Barrier Special Approval 2603.4.1.6 Attics and Crawl Spaces		Chapter 8 Interior Finish 803.1.1 Interior Wall and Ceiling Finish Material 803.1.2 Corner Test for Interior Wall or Ceiling Finish 803.4 Foam Plastics Chapter 26 Plastic 2603.4/2603.10 Thermal Barrier Special Approval 2603.4.1.6 Attics and Crawl Spaces
INTERNATIONAL MECHANICAL CODE® (IMC®)		
2021		2018
Chapter 6 Duct Systems 602.2 Plenums Construction FSI/SDI		Chapter 6 Duct Systems 602.2 Plenums Construction FSI/SDI
2015		2012
Chapter 6 Duct Systems 602.2 Plenums Construction FSI/SDI		Chapter 6 Duct Systems 602.2 Plenums Construction FSI/SDI
INTERNATIONAL RESIDENTIAL CODE® (IRC®)		
2021		2018
Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes R316.4/R316.6 Thermal Barrier Specific Approval R316.5.3 (AC377 Appx X) Foam Plastic in Attics R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces		Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes R316.4/R316.6 Thermal Barrier Specific Approval R316.5.3 (AC377 Appx X) Foam Plastic in Attics R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces
2015		2012
Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes R316.4/R316.6 Thermal Barrier Specific Approval R316.5.3 (AC377 Appx X) Foam Plastic in Attics R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces		Chapter 3 Building and Planning R302.9 Flame Spread and Smoke Developed Index for Wall and Ceiling Finishes R316.4/R316.6 Thermal Barrier Specific Approval R316.5.3 (AC377 Appx X) Foam Plastic in Attics R316.5.4 (AC377 Appx X) Foam Plastic in Crawl Spaces
NATIONAL FIRE PROTECTION ASSOCIATION® (NFPA®) 101		
2018	2015	2012
Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Classification 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.4.3 Cellular or Foamed Plastic (SIPs) 10.2.4.3.3 Cellular or Foamed Plastic Testing (SIPs) 10.2.4.3.4 Cellular or Foamed Plastic Trim (SIPs) 10.2.6.1 Fire Retardant Coatings FSI/SD Chapter 33 Existing Residential Board/Care Occupancies 33.2.3.5.7.2(4)/1.4 Attics	Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Classification 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.4.3 Cellular or Foamed Plastic (SIPs) 10.2.4.3.1 Cellular or Foamed Plastic Testing (SIPs) 10.2.4.3.2 Cellular or Foamed Plastic Trim (SIPs) 10.2.6.1 Fire Retardant Coatings FSI/SD Chapter 33 Existing Residential Board/Care Occupancies 33.2.3.5.7.2(4)/1.4 Attics	Chapter 10 Interior Finish 10.2.3 Interior Wall/Ceiling Finish Testing & Classification 10.2.3.4 Required to be Tested ASTM E84 or UL 723 10.2.4.3 Cellular or Foamed Plastic (SIPs) 10.2.4.3.1 Cellular or Foamed Plastic Testing (SIPs) 10.2.4.3.2 Cellular or Foamed Plastic Trim (SIPs) 10.2.6.1 Fire Retardant Coatings FSI/SD Chapter 33 Existing Residential Board/Care Occupancies 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) 8.4.2.2 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	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 8.5.2 Materials 9. The Building's 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
CALIFORNIA AIR RESOURCES BOARD (ARB)	
2008	
8. Compliance and Test Methods 8.1 Calculation of VOC Content 8.2 VOC Content of Coatings 8.5.9 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 California Specification 01350
COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS)	
2017	2016
Core Criteria New Construction and Renovation Indoor Environmental Quality Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings Materials & Waste Management Prerequisite MW 1.0 Storage & Collection Recyclables	Core Criteria New Construction and Renovation Indoor Environmental Quality Prerequisite: EQ 7.0 Low Emitting Materials/Paints & Coatings EQ 7.1 Additional Low Emitting Materials/EQ 7.1.5 Paints & Coatings Materials & Waste Management Prerequisite MW 1.0 Storage & Collection Recyclables
GENERAL SERVICES ADMINISTRATION (GSA) PUBLIC BUILDING SERVICE (PBS) - P100	
2017	2016
Chapter 3 Architecture and Interior Design 3.5.2.19 Interior Coatings (Paint) Chapter 4 Prescriptive Structural Engineering 4.3.1 Innovative Materials and Methods Chapter 7 Fire Protection 7.1.3.3 Alternative Designs 7.15 Performance-Based Design	Chapter 3 Architecture and Interior Design 3.5.2.19 Interior Coatings (Paint) Chapter 4 Structural Engineering 4.3.1 Innovative Materials and Methods Chapter 7 Fire Protection and Life Safety 7.3.1.3 Alternative Designs 7.15 Performance-Based Design
ICC/ASHRAE 700 NATIONAL GREEN BUILDING STANDARD™ (NGBS)	
2015	2012
Chapter 6 Resource Efficiency 605.3 Recycled Construction Materials 609.1 Regional Materials Chapter 9 Indoor Environmental Quality 901.8 Wall Coverings 901.9 Interior Architectural Coatings 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 Chapter 11 Remodeling 11.605.3 On-site Recycling 11.605.4 Recycled Construction Materials 11.609.1 Regional Materials 11.901.8 Wall Coverings 11.901.9 Interior Architectural Coatings	Chapter 6 Resource Efficiency 605.3 Recycled Construction Materials 609.1 Regional Materials Chapter 9 Indoor Environmental Quality 901.8 Wall Coverings 901.9 Interior Architectural Coatings 901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 901.9.3 Chapter 11 Remodeling 11.605.3 On-site Recycling 11.605.4 Recycled Construction Materials 11.609.1 Regional Materials 11.901.8 Wall Coverings 11.901.9 Interior Architectural Coatings

<p>11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3</p> <p>11.901.9.4 Mandatory Requirement</p> <p>11.904.1 Indoor Air Quality (IAQ) During Construction</p> <p>11.904.2 Indoor Air Quality (IAQ) Post Construction</p> <p>Chapter 12 Remodeling of Functional Areas</p> <p>12.1(A).609.1 Regional Materials</p> <p>12.1.901.8 Interior Wall Coverings</p> <p>12.1.901.9 Architectural Coatings</p> <p>12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2</p>	<p>11.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 11.901.9.3</p> <p>11.901.9.4 Mandatory Requirement</p> <p>Chapter 12 Remodeling of Functional Areas</p> <p>12.1(A).609.1 Regional Materials</p> <p>12.1.901.8 Interior Wall Coverings</p> <p>12.1.901.9 Architectural Coatings</p> <p>12.1.901.9.1 VOC Content Limits Architectural Coatings Flat Coatings or 12.1.901.9.2</p>
INTERNATIONAL GREEN CONSTRUCTION CODE® (IgCC®)	
2018	2018
<p>8. Indoor Environmental Quality (IEQ)</p> <p>8.4.2.2 Paints and Coatings</p> <p>8.4.2.2.1 Emissions Requirements</p> <p>8.4.2.2.2 VOC Content Requirements: a and b</p> <p>8.5.2 Materials</p> <p>9. The Buildings Impact on the Atmosphere, Materials, and Resources</p> <p>9.3.1.1 Diversion</p> <p>9.3.1.2 Total Waste</p> <p>9.3.1.3 Construction Waste Management Plan</p> <p>9.4.1.2 Regional Materials</p>	<p>Chapter 5 Material Resource Conservation and Efficiency</p> <p>503.1 Construction Material and Waste Management Plan</p> <p>Chapter 8 Indoor Environmental Quality and Comfort</p> <p>806.3 Architectural Paints and Coatings/Table 806.3(1) or 806.3(2)</p>
U.S. GREEN BUILDING COUNCIL® LEED®	
v4 2018	v3 2009
<p>BUILDING DESIGN (BD) AND CONSTRUCTION (C)</p> <p>Materials and Resources (MR)</p> <p>MR Prerequisite: Storage and Collection of Recyclables</p> <p>MR Credit: Building Life-Cycle Impact Reduction: Option 1 or Option 2</p> <p>MR Credit: Building Product Disclosure and Optimization- Material Ingredients: Option 2 International Alternative Compliance Path- Reach Optimization</p> <p>MR Credit: Construction and Demolition Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Materials: Option 1</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p> <p>HOMES DESIGN (HD) and CONSTRUCTION (C)</p> <p>Materials and Resources (MR)</p> <p>MR Credit: Construction Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Products</p> <p>INTERIOR DESIGN (ID) and CONSTRUCTION (C)</p> <p>Materials and Resources (MR)</p> <p>MR Prerequisite: Storage and Collection of Recyclables</p> <p>MR Credit: Building Product Disclosure and Optimization- Material Ingredients: Option 2 International Alternative Compliance Path- Reach Optimization</p> <p>MR Credit: Construction and Demolition of Waste Management</p> <p>Indoor Environmental Quality (EQ)</p> <p>EQ Credit: Low-Emitting Materials: Option 1</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p>	<p>NEW CONSTRUCTION AND MAJOR RENNOVATIONS</p> <p>Materials and Resources (MR)</p> <p>MR Credit 1.1 Building Reuse- Maintain Existing Walls, Floors & Roofs</p> <p>MR Credit 1.2 Building Reuse- Maintain Interior Nonstructural Elements</p> <p>MR Credit 2 Construction Waste Management</p> <p>MR Credit 5 Regional Materials</p> <p>Indoor Environmental Quality (IEQ)</p> <p>IEQ Credit 4.2 Low Emitting Materials- Paints & Coatings</p> <p>Innovation in Design (ID)</p> <p>Credit 1 Innovation in Design</p>
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1113	
2016	2013
<p>Table of Standards 1, VOC Limits</p> <p>Flats</p> <p>(e) Test Methods</p> <p>(e)(1)(A) U.S. EPA Reference Test Method 24</p>	<p>Table of Standards 1, VOC Limits</p> <p>Flats</p> <p>(e) Test Methods</p> <p>(e)(1)(A) U.S. EPA Reference Test Method 24</p>