



COMPLIES WITH BELOW AS OF 01/01/2014			
OTC	YES	CalGreen	YES
SCAQMD	YES	Leed NC-v 2.2 EQc-4.2	YES
MPI#	YES	VOC	<36g/l

FIREFREE® CLASS A

Firefree® Class A meets the Class "A" rating with 6 mils dry. It also complies with the extended 30 minute test.

PRODUCT INFORMATION

Firefree® Class A ("FF A") is a single component, thin film, non-conductive, self-priming, intumescent fire retardant product that provides class A ratings on various combustible materials. Firefree® Class A flat finish provides ultimate durability, exceptional hide, and excellent adhesion in a low odor fire retardant formula.

RECOMMENDED USE

Use on properly prepared uncoated, primed or previously painted interior surfaces. FFA can be applied over most combustible materials, including oriented strand board (OSB), plywood, wood joists/trusses, wood paneling/ sheathing and other associated lumber where a fire retardant is needed to slow the spread of fire.

As a result of its superior fire retardant performance, Firefree® Class A provides significant material and labor cost reductions, resulting in significant savings when compared to other retardant materials. Recommended for residential, multifamily and industrial projects, schools, nursing homes, retail stores, restaurants.

ADVANTAGES

- Easy to use, easy to clean
- Nontoxic, low odor, meets all VOC requirements
- Significant material / labor cost reductions
- Flat, smooth architectural grade finish

PRODUCT CHARACTERISTICS

Type: Liquid
 Color & Finish: White, Flat
 VOC: <36(g/L)
 Flash Point: > 250°F or > 121°C
 Thinning: Not Recommended
 % Volume Solids: 68%
 Viscosity (Krebs Unit): 115 @ 77°F
 Packaging: 1gallon cans/5 gallon pails (60 lbs)
 Shelf-Life: 2-years (unopened)
 Division: 09 Finishes
 Recommended Film Thicknesses /Coverage:
 See Performance

PERFORMANCE

FLAME SPREAD INDEX RATING:

Standard	DFT/WFT Application	Coverage per gallon	FSI/SDI Results*
ASTM E-84	6 mils dry (9 mils wet)	178 ft ²	FSI-20 SDI-90
ASTM E-84	10 mils dry (15 mils wet)	106.5 ft ²	FSI-5 SDI-30**

ASTM E84, 30 MINUTE DURATION TEST:

Standard	DFT/WFT Application	Coverage per gallon	FSI/SDI Results*
ASTM E-84	8 mils dry (12 mils wet)	133.5 ft ²	FSI-0 SDI-45**
ASTM E-84	20 mils dry (30 mils wet)	53 ft ²	FSI-0 SDI-0**

*Indexes: FSI (Flame Spread Index) SDI (Smoke Developed Index)

** Meets the smoke index ≤50 for plenum spaces

Based on the results obtained from the 30-Minute Extended test, Firefree® Class A showed minimal char damage, proving FFA's ability to help maintain the structural integrity of the wood materials during a fire. Please refer to the fire test data for more information.

Testing laboratories:

QAI Laboratories, Inc. Accredited IAS
www.iasonline.org third party fire testing laboratory, certification # TL-220.

Listing: California State Fire Marshal (CSFM), Listing No. 2280-2112

APPLICATION PROCEDURES

Method of Application: brush, roller or airless sprayer. Apply at can consistency. For brush application, a fully loaded brush should be used. A laying on technique will reduce the brush marking. A short nap roller can be used but this may result in a slightly textured finish.

Drying time: At 70°F, FFA dries to the touch in about 60 minutes under normal conditions.

Drying times are dependent upon a number of factors: Temperature - Air movement - Humidity - Thickness of product - Method of application.

Surface Preparation

All surfaces to be coated must be clean, cured, firm, dry and free of dust, dirt, oil, wax, grease, mildew, loose flaking paint, efflorescence or any other contamination or condition that would adversely affect the performance of the coating. Etch or prime (with a latex primer or fast dry oil base primer/sealer) glossy, glazed or dense surfaces. Always prime oil based finish coatings with an oil based fast dry primer/sealer.

Fill holes and surface irregularities with a suitable patching compound to match surface profile. Spot prime all patched areas with appropriate primer. Metal surfaces must be free of rust. Do not apply if temperature is below 50°F.

New Surfaces

Firefree® Class A can be used as a primer on most surfaces. **New Wood:** remove mill glaze that might be present with sandpaper. Sink nails and fill any holes, scratches, and gouges with the wood filler and let dry completely prior to sanding. Clean surface of all dust with a cotton cloth. Use 100% acrylic, sili-conized, paintable caulking, and allow to dry prior to applying coating. **Wood:** WARNING! Scraping and sanding pressure treated lumber may be hazardous; wear appropriate protection.

Previously Painted Surfaces

Firefree® Class A may be applied directly to existing paint that is in good condition. All glossy surfaces should be dulled with sandpaper.

Glossy Surfaces

For added adhesion, sand the surface thoroughly before coating.

CLEAN UP AND MAINTENANCE

Wash brushes, rollers, spray guns & pumps and other painting tools in COLD clean water promptly after painting. Clean and remove any dried product with

the use of Goof Off™. Local disposal requirements vary; consult your household refuse collection service, sanitation department or state-designated agency for more information on disposal options.

Surfaces which have been coated with Firefree® Class A should be protected from abuse and abrasion. Damaged surfaces should be repaired and Firefree® Class A should be reapplied to the original specified dry film thickness to maintain the Class A rating.

RECOMMENDED EQUIPMENT

Roller: Use standard industry rollers
(please consult Firefree® for roller instructions)

Brush: Use a nylon/polyester brush

Spray-Airless: Capable of a pressure range of 1500 to 3300 psi

Tip: .017 to .023 heavy duty 4" to 12" fan width
recommended (dependent on application)

Reduction: do not thin

Storage & Temperature

Firefree® Class A cannot be exposed to freezing temperatures. It is important to maintain storage temperatures above the freezing point. Firefree® Class A should be stored at recommended temperatures between 50° to 85°. Product must be kept at recommended storage conditions and in original unopened containers.

Safety

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and or gloves during application or sanding. A dust/particulate respirator approved by NIOSH should be worn when sanding or spraying. Close container after each use. First Aid: If you experience difficulty breathing, leave the area to obtain fresh air.

In Case of Spill: Absorb with inert material and dispose of as specified under Cleanup and Maintenance.

About the Company

FIREFREE® Coatings, Inc is a private company based in California. Products have been tested at accredited third party IAS fire testing laboratories and are approved by Factory Mutual, classified by the Underwriters Laboratories, listed by CA SFM Building Materials and accepted by NY Materials and Equipment Acceptance Division. Firefree® Coatings, Inc. is a member of NFPA, ICC and ASTM E-05 Committee.

