

ENVIRONMENTALLY FRIENDLY

COMPLIES WITH BELOW AS OF 05/10/2018			
OTC	YES	CalGreen	YES
SCAQMD	YES	Leed NC- v 1.2 EQc-4.2	YES
CARB	YES	VOC	<36g/l

KEY FEATURES

- Most economical fire retardant paint
- High performance: Meets all ASTM E-84 requirements
- ICC listed, ESR4271
- Eco-friendly
Meets all ASTM D5116 requirements
Qualifies for LEED v4 credits
- Usable on various combustible materials
- Easy to use and apply

APPLICATION

FfA is a water-based latex paint and its application is similar to applying a regular water-based latex paint (except for the recommended thickness which needs to be precisely complied with for adequate performance). FfA can be brushed, rolled or sprayed using an airless spray gun.

COLOR/FINISH

FfA comes is a white, flat finish. If a different color or finish is desired, FfA can be top coated with most premium paints to achieve the desired color and finish. For large orders (>200 gallons) FfA can be tinted by Firefree. Please contact Firefree for such custom tinted orders.

The Most Effective & Economical Fire Retardant in the Industry



Protect your family, pets, and property by simply picking up a paint brush.

FIREFREE Coatings, Inc.

580 Irwin Street No. 1, San Rafael, California 94901

415 459 6488 • 1 888 990 3388 • Fax 415 459 6055

www.firefree.com • info@firefree.com

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FIREFREE CLASS A

Intumescent Fire Retardant Paint

- Cost effective
- High performance
- Eco-friendly
- Meets all ASTM E-84 requirements
 - ASTM E-84 10 Minutes
 - ASTM E-84 30 Minute Extended
- Easy to use and apply



Fully Tested/Cost Efficient

High Performance

Exterior Application

PRODUCT INFORMATION

Firefree® Class A ("FfA") is a single component, self-priming, flame retardant paint that provides "Class A" ratings per ASTM E 84 and ASTM E 84, 30 minute extended. These standards involve fire retardant tests which measures a product's ability to slow down horizontal flame spread and smoke development.

As a results of its' superior fire retardant performance, FfA provides significant material and labor cost reductions, resulting in significant savings when compared to other retardant materials.

SUBSTRATES/ASSEMBLIES

FfA can be applied over most combustible materials

- Oriented Strand Board (OSB)
- Plywood
- Wood joists/trusses
- Wood paneling/sheathing
- Other types of lumber

FfA is a water based coating designed for interior use. However, FfA can be used in exterior application such as improving fire protection for structures exposed to wildfires.

MARKETS

FfA can be applied over most combustible materials, on walls, sidings, eaves, soffits, ceilings and attics.

- Construction(new & retrofit)
residential, industrial and commercial
- Apartments, condominiums
- Residences, high rises
- Retail stores, hotels
- Data centers
- Mechanical Rooms

TESTING

Tested to ASTM E84 (NFPA 255, UL 720) on both the ASTM E84, 10 minutes and the ASTM E84, 30 minutes.

Testing at QAI Laboratories, Inc., accredited IAS fire testing laboratory, accredited ISO/IEC 17025.

PERFORMANCE

ASTM E84, 10 MINUTES:

6 mils dry (9 mils wet); FSI-20, SDI 90
(coverage 178 sqft/gal)*

ASTM E84, 10 MINUTES (for plenum spaces):

10 mils dry (15 mils wet); FSI-5, SDI 30
(coverage 106.5 sqft/gal)

ASTM E84, 30 MINUTES EXTENDED:

Depending on substrate, thicknesses range from:
8 mils dry (12 mils wet); FSI-20, SDI 45
(coverage 133.5 sqft/gal), to

20 mils dry (30 mils wet); FSI-0, SDI 0
(coverage 53 sqft/gal)**

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

** Recommended thickness for WUI applications.

LISTING

California State Fire Marshal (CSFM), listing No. 2280-2112
ICC-International Code Council (ICC), listing ESR4271.

WILDFIRES

FfA, if covered by the FfE Exterior TopCoat ("FfE") can provide fire retardant benefits per ASTM E84 30 Minutes Extended, in exterior applications, (walls, sidings, eaves and soffits) such as improving fire protection for structures in the Wildland Urban Interface ("WUI").

WUI

The Wildland Urban Interface is a location where structures and flammable vegetation merge in a wildfire-prone setting, resulting in devastating fires. The WUI included structures built in low to highly forested or vegetated areas, including high density housing areas.

WUI APPLICATIONS

First: apply FfA with two (2) coats @ 10 mils dry each, for a total of 20 mils dry (average coverage with the two specified coats is about 53 sqft/gal (1.30 m2/1).

Second: cover with FfE, to protect the fire retardant properties of FfA from exterior weathering apply two (2) coats @ 3 mils dry each, for a total of 6 mils dry (average coverage with the two specified coats is about 110 sqft/gal (2.70 m2/1).

The Ff Exterior Topcoat ("FfE") is a premium acrylic topcoat designed to protect the fire retardant properties of FfA from exterior weathering. FfE come in a white, satin finish. If a different color or finish is desired, FfE can be topcoated with most premium paints to achieve the desired color and finish.