

## ADVANTAGES

- No maintenance required
- Apply just a thin layer (see performance/spread chart)
- Can be used as a primer or finish paint
- Clean Up with Water

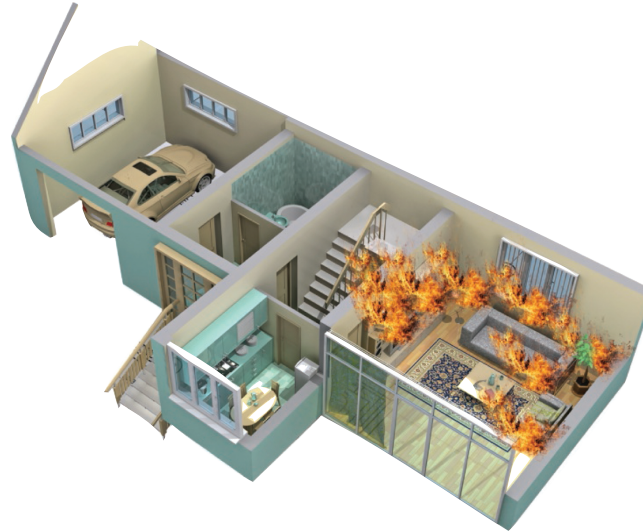
## PACKAGING

- 1 gallon Can
- 5 gallon bucket
- Shelf life 2 years (unopened)

## BENEFITS OF FIREFREE CLASS A

- Provides a zero (0) flame spread and zero (0) smoke
- Is cost efficient, only a thin layer required
- Excellent adhesion and durability
- Non toxic

# 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.**  
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## CLASS A Intumescent Fire Retardant Paint

- Most economical fire retardant paint
- High performance
- Eco-friendly, meets all ASTM D5116 requirements
- Meets all ASTM E-84 requirements
- Easy to use and apply
- Usable on various combustible materials

# Fully Tested/Cost Efficient

# Class A Performance

# Easy to Apply

## 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.

Ffa is safe and eco-friendly with low VOCs (<36gr/liter) which is extremely low compared to the current EPA regulations of 250 gr/liter (per ASTM D3960).

## RECOMMENDED USE

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 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.

Recommended use in both new, retrofit and defective construction (residential, commercial, industrial and government), insulation and transportation. The projects using our products include historic properties, schools, health care (hospitals, assisted living), apartments, condominiums, highrises, hotels, stores, restaurants, oil and solar facilities, government facilities, military applications, and facilities, transportation (aerospace, aviation, light rail, maritime, energy).

## ENVIRONMENTALLY FRIENDLY

Complies with below as of 05/10/2018			
OTC	YES	CalGreen	YES
SCAQMD	YES	LEED: NC-v 2.2 EQc-4.2	YES
CARB	YES	VOC	<36 g/l

## PERFORMANCE/SPREAD RATE

QA1 Laboratories, IAS accredited fire testing laboratory in accordance to ASTM E-84 (NFPA 255, UL 723). Method of Surface Burning Characteristics of Building Materials.

### FLAME SPREAD INDEX RATING:

DFT/WFT Application	FSI/SDI Results*	Coverage rate per gallon
6 mils dry (9 mils wet)	FSI-20 SDI-90	178 ft²
10 mils dry (15 mils wet)	FSI-5 SDI-30**	106.5 ft²

### ASTM E84, 30 MINUTE DURATION TEST:

DFT/WFT Application	FSI/SDI Results*	Coverage rate per gallon
8 mils dry (12 mils wet)	FSI-0 SDI-45**	133.5 ft²
20 mils dry (30 mils wet)	FSI-0 SDI-0**	53 ft²

\*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

QA1 Laboratories, Inc. Accredited IAS www.iasonline.org third party fire testing laboratory, certification # TL-220. Accredited ISO/IEC 17025 Certification #TL-383

## LISTING

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

## CHARACTERISTICS

Easy to use

Water based non-toxic

Flat finish

Color - white

Tintable

Environmentally friendly (low odor, low VOC <36 grams/liter) per EPA Method 24

Can earn LEED credits by meeting EQ credit 4.2: Low-emitting material paint and coatings

Volume solids 68% ± 2

Spread of 178 sq. ft/ gal. applied in one coat 9 mils wet, 6 mils dry.

## 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.

Drying Time: @ 70% F about 45 min between coats

Viscosity 110-120

Surface Temperature @ Application = Min. 50F, Max 90F

Storage Temperature = 50 F

## RECOMMENDED EQUIPMENT

Roller: Standard industry rollers . Use a 1-1/4”

(20- 25mm) nap synthetic cover for heavy application

Brush: A nylon/fully loaded brush should be used.

Sprayer: Graco 695 or larger .780 to 3300 psi.

Tip .017 to .023