ENVIRONMENTALLY FRIENDLY

Qualifies for LEED v4 Credit	CDPH/EHLB Standard Method v1.2, 2017 Emissions	Meets VOC regulations (OTC, SCAQMD CARB)	Master Painters Institute® (MPI) Green Performance® GPS1/GPS2
YES	YES	YES	YES

>Ff88 may contribute up to five LEED points.

KEY FEATURES

- Cost efficient, high performance
- Fully tested
- FM Approved and ICC listed
- Eco-friendly
  Meets all ASTM D5116 requirements
  Qualifies for LEED v4 credits
- Easy to use and apply
- Usable on various combustible materials

APPLICATION

Ff88 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). Ff88 can be brushed, rolled or sprayed using an airless spray gun. Additionally because of its high percentage of solids, it will have an excellent spread rate and coverage.

COLOR/FINISH

FF88 comes is a white, flat finish. If a different color or finish is desired, FF88 can be top coated with most premium paints to achieve the desired color and finish. For large orders (>200 gallons) FF88 can be tinted by Firefree. Please contact Firefree for such custom tinted orders.

The Most Effective & Economical Fire Resistant Coating in the Industry

Cost efficient compliance with hourly ratings required by building codes

FIREFREE Coatings, Inc.
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Made in U.S.A.

Firefree Coatings, Inc.

FIREFREE 88

Intumescent Fire Resistant Paint

Provides fire protection ratings required by building codes

- Cost effective
- High performance
- Fully tested & certified
- Eco-friendly
- Easy to use and apply
- Usable on most substrates & assemblies

FULLY TESTED/COST EFFICIENT HIGH PERFORMANCE PROJECTS/ASSEMBLIES

PRODUCT INFORMATION

Firefree 88® ("Ff88") is a premium intumescent fire resistant coating tested to comply with fire ratings performance prescribed under the International Building Code (IBC). These standards involve (i) fire resistant testing which measures a product's ability to prevent fire penetration over a period of time, such as ASTM E 119, and (ii) Room Corner Test standards measuring a product's ability to limit flashover.

As a result of its' superior fire resistant performance, Firefree 88 can provide significant material and labor cost reductions, resulting in significant savings when compared to other construction options.

RECOMMENDED USES

Can be applied to numerous materials for 1 and 2 hour fire ratings:

- Wood
- Gypsum board (sheetrock, plasterboard)
- Lath & Plaster
- Concrete & masonry
- Embossed/pressed metal tin
- Fiberglass
- Thin gauge metal (galvanized steel & aluminum)
- Carbon fiber
- Plastics
- Other composite materials
- Polyurethane foam (15 minute barrier)

Ff88 is a water based coating designed for interior use. However Ff88 can be used in some exterior applications if covered by the FfE Exterior Topcoat in strict compliance with Firefree's specifications (contact Firefree for more information). The Ff Exterior Topcoat ("FfE") is a premium acrylic topcoat designed to protect the fire retardant properties of Ff88 from exterior weathering.

TESTING

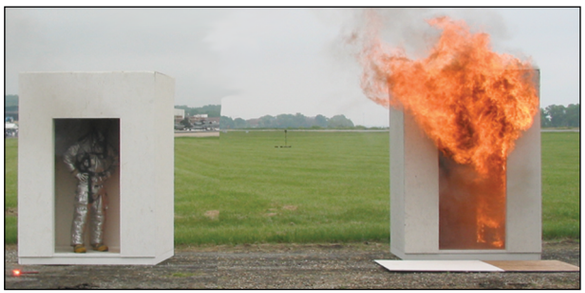
Fire Resistant Testing:
ASTM E 119, FM 4975, ASTM E 662-97, ASTM E 3675-98, ASTM E 162-98, ASTM E 1354-94, ASTM E 814, ASTM 1623, FAR 21.607, CAN & ULC-S10, BS 476, AS 1530.4. (CSIRO) and EN 13501-1.

Room Corner Tests:
Room Corner Tests including UBC8-2, NFPA 286. Part 1 of FM 4880 and UBC 26-3.

The thickness of Ff88 to be applied depends on (i) the rating required and (ii) the substrate to be covered.

CERTIFICATIONS

- **FM Approvals listed**
- **ICC listed, ESR4271**
- Tested by Independent ISO/IEC 17025 Accredited Laboratory
- MEA # 320-99 City of New York
- UL # R14654 Classified on OSB, Douglas fir
- Class O, per BS 476 Part 6 & 7
- Class 1-S, per NZBC Verification Method



With Ff88 *Without Ff88*

PROJECTS

- Construction(new & retrofit) in residential, industrial and commercial
- Historic properties
- Schools
- Health Care (hospital, assisted living)
- Hotels, restaurants
- Apartments, condominiums, high rises
- Insulation
- Transportation (aerospace, light rail, maritime)
- Government & Military (facilities & technical)
- Energy (electrical, oil & gas)

ASSEMBLIES

- Wood Floor Ceiling 30 min, 1 and 2 hours
- Wood Finish Ceiling 1 and 2 hours
- Wood Floor 1 and 2 hours
- Wood Roof 1 and 2 hours
- Gypsum Floor Ceiling 1 and 2 hours
- Gypsum Roof Ceiling 1 hour
- Gypsum Wall 1 and 2 hours
- Plaster Floor Ceiling 1 and 2 hours
- Plaster Gypsum Floor Ceiling 2 hours
- Plaster Wall 1 hour
- Embossed Tin Floor Ceiling 1 and 2 hours
- Metal Roof Deck 1 and 2 hours