



ForceField® FireGuard® E-84 Intumescent Coating



OVERVIEW

FireGuard® E-84 is a superior intumescent fire retardant coating that creates a thin film fire retardant and fire resistant barrier on a wide range of interior building surfaces. In the event of a fire, this product can prevent the spread of flames and reduce smoke levels to aid in the protection of life and property.

The stock color of the coating is off-white, however custom tinting can be made available subject to special order conditions.

HOW & WHY FIREGUARD® E-84 INTUMESCENT PAINT WORKS

When FireGuard® E-84 Intumescent Paint is exposed to heat generated by flames; it swells to form an insulating char barrier that fire cannot penetrate. Without a source of fuel, the fire is unable to spread. In addition to protecting from flame, this char barrier functions as an insulating blanket to help protect the underlying substrate from the intense heat of a fire, postponing (or preventing) ignition for up to two hours in some cases (ASTM E-119). Beyond preventing the spread of flames (Flame Spread Index = 5), with a Smoke Development Index = 5, FireGuard® E-84 can reduce the production of smoke (a leading cause of fire related fatalities).

Along with its life safety benefits, FireGuard® E-84 can protect the underlying substrate and significantly reduce fire restoration costs. In many cases the substrate will still be sound, allowing the charred foam to be simply scraped off, surfaces to be cleaned and/or repaired, and subsequently repainted.

APPLICATIONS

FireGuard® E-84 can be applied in homes, multifamily residential, commercial, industrial, and institutional structures, either in the new construction phase, or during reconstruction projects. This thin film coating is effective on wood and wood composites such as oriented strand board, fiberglass, gypsum board, masonry, concrete, structural steel beams, steel pipe, and numerous other surfaces. FireGuard® E-84 is a non-toxic, water-based formulation that has been approved for use on specific interior surfaces only. While the use of an airless sprayer is strongly recommended, FireGuard® E-84 may also be applied by brush or roller. If a certification of application is needed or required by governmental or regulatory agencies, or other parties, an ICC certified professional (or an outside independent testing agency with comparable certification that has been approved by the regulatory agency) MUST be contracted to verify that FireGuard® E-84 has been applied in a uniform manner with a proper thickness.

Available in the Following Sizes

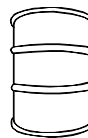
5 Gallon

55 Gallon

Tote



5 Gallon-RTU



55 Gallon-RTU



- ATSM E-84 Class A & E84 Extended
TEST STD: UL723 CLASS A
NFPA STD: 255 UBC STD: 8.1
- Flame Spread 5.49 10 Min., 8.40 30 Min.
- Smoke Index 5
- ASTM E-119 2 Hour Small Scale Tested
TEST STD: UL263 2 Hr. Wall
NFPA STD: 251 UBC STD: 7.1
- ASTM E-119 1 Hr. Floor/Ceiling
- ASTM E-119 45 Min. Exposed Wood Rafter
- Superior Intumescent Performance
- Retards Flames & Reduces Smoke
- Water-Based Ease of Application & Clean-up
- Durable Smooth Finish
- Use on OSB, Fiberglass, Masonry, Gypsum Board, Concrete, and More

HMS Health: 2 Fire: 1 Reactivity: 0	Appearance: White to Off-White Liquid Emulsion
pH: 8 to 9	Odor: Mild and Slightly Acrylic
Solubility: Water Emulsifiable Liquid	Specific Gravity: 1.27 +/- 0.02 (10.58 lbs/gal)
Boiling Point: 100°C	Chemical Family: Acrylic Intumescent Paint
Storage: Above 0°C, Below 40°C, Out of Direct Sunlight	Caution: Keep out of the reach of children.
Regulatory: (Not DOT Regulated)	Caution: Avoid contact with eyes.
Coverage: 86.6 Square Feet/Gallon (at 10 mil application)	Caution: Avoid Breathing Mists, Spray, or Dust from Sanding
Spread Rate: 15 mils Wet (Yields 8 mil Dry Coating)	% Solids (by Volume): 51.2%
Dry Time (@77°F, 50% RH): 30 min. to Touch, 1-2 hr. to Handle, 2-4 hr. to Re-coat	% Solids (by Weight): 62.0%