



# FIRE RETARDANT PAINT

## LATEX INTUMESCENT COATING

### FLAT FINISH LFR-110

#### Features

- Intumescent product
- Flame Spread Rating: Class "A" when tested in accordance with ASTM E-84 (NFPA 255) and S-102.
- Applies like a regular paint
- Soap and water cleanup
- Low Odor
- Low VOC

#### Recommended For

For interior use on primed or previously painted wood, drywall, cellulose tile, cured plaster, masonry and metal. NOTE: Top coating this product will reduce its intumescent properties.

#### General Description

Insl-x® Fire Retardant Paint is a high-quality latex decorative, intumescent, fire retardant coating for interior ceilings, walls and trim. This product provides a high-hiding matte finish that retards flame spread by reacting to heat and forming a thick cellular char blanket (intumescence). By reducing excessive heat penetration, this product retards flame spread and minimizes smoke generation. It is suitable for primed or previously painted wood, drywall, cellulose tile, cured plaster, masonry and metal. It applies like a conventional latex paint, is low in odor, low in VOCs, and washes without spotting.

#### Limitations

- Use product when surface temperature is between 50 °F (10 °C) and 95 °F (35 °C).

#### Product Information

##### Colors — Standard:

White

##### — Tint Bases:

Can be tinted with up to 2 oz. of Universal Colorants.

##### — Special Colors:

Contact your dealer.

##### Certification:

The products supported by this data sheet contain a maximum of 50 grams per liter VOC/VOS (0.42 lbs./gal.) excluding water & exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as a Flat Coating.

This product meets qualifications for LEED (Leadership in Energy and Environmental Design) projects as a Flat Coating.

MPI: Is currently approved under MPI #64



UL Flame Spread Rating: Class "A"; tested in accordance with ASTM E-84-10/30 (NFPA 255) and S-102; tested over Douglas fir.

##### Standard 10 Minute Test Results

Flame Spread Index	0
Smoke Developed Index	35

##### 30 Minute Extended Test Results:

Flame Spread Index	Pass
Smoke Developed Index	Pass

##### Technical Assistance:

Available through your local authorized independent Insl-x dealer. For the location of the dealer nearest you, call 1-800-225-5554, or visit [www.insl-x.com](http://www.insl-x.com).

##### Technical Data◇

##### White

Vehicle Type	Vinyl Acrylic
Pigment Type	Titanium Dioxide
Volume Solids	46.0 ± 1.0%

Coverage per Gallon and per coat at Recommended Film Thickness

Note: 10 minute burn class A rating. ASTM-E-84 with spread rate: 2 coats at 300-330 square feet/gallon (4.7-5.2 mils WFT and 2.2-2.4 mils DFT each)

Note: 30 minute burn class A rating. ASTM E-84 with spread rate: 2 coats at 150-165 square feet/gallon (9.5-10.4 mils WFT and 4.4-4.8 mils DFT each).

Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.

Dry Time @ 77 °F	– Tack Free	30 Minutes
(25 °C) @ 50% RH	– To Recoat	4 Hours

High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By Coalescence

Viscosity 70 – 80 KU

Flash Point N/A

Gloss / Sheen Flat

Surface Temperature	– Min.	50 °F
at Application	– Max.	95 °F

Thin With Not Necessary

Clean Up Thinner Warm, Soapy Water

Weight Per Gallon 10.8 lbs.

Storage Temperature	– Min.	50°F
	– Max.	90°F

##### Volatle Organic Compounds (VOC)

45 Grams/Liter 0.37 Lbs./Gallon

◇ Reported values are for White, Contact dealer for values of other bases or colors.

## Fire Retardant Paint Latex Flat Finish LFR-110

### Surface Preparation

Surfaces to be painted must be clean, dry and free of oil, grease, dust, rust, mill scale, loose paint, chalk and other contaminants that could interfere with adhesion. Glossy surfaces should be dulled by abrading the surface.

**Previously Painted Surfaces:** No primer is needed if surface is in good condition. Clean and sand as needed.

**Ferrous Metal:** Remove loose rust and mill scale with a grinder, scraper, wire brush or sandpaper. Remove oil and grease as necessary using an oil and grease emulsifying cleaner. Prime bare spots with metal primer.

**Wood/Drywall:** Spot prime patched and spackled areas with the recommended primer before top-coating.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Application

Stir this product thoroughly before use. Once stirred, Insl-x Fire Retardant Paint is ready to use. Do not incorporate any additives into this product and thin with water only as needed. Do not apply if surface or air temperatures are below 50 °F or above 95 °F.

**Brush:** Synthetic Bristle only.

**Roller:** 3/8" to 1/2" Nap Synthetic Roller

**Airless Spray:** Fluid Pressure – 1500 to 2500 psi.  
Tip Size - .013 to .017

### Clean Up

Clean all equipment immediately after use with soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

USE COMPLETELY OR DISPOSE OF PROPERLY. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.**

### Environmental Health & Safety Information

**Use only with adequate ventilation.** Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

**WARNING:** This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**IN CASE OF SPILL** – Absorb with inert material and dispose of as specified under "Clean Up".

**KEEP OUT OF REACH OF CHILDREN  
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for  
additional health and safety information.**