



# FIRE RETARDANT PAINT

## LATEX INTUMESCENT COATING

### FLAT FINISH FR-210

#### Features

- Intumescent product
- Class "A" when tested in accordance with ASTM E84 / UL 723 & ASTM E2768
- Applies like a regular paint
- Soap and water cleanup
- Low VOC

#### 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 flat 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, low in VOCs, and washes without spotting. This product may also be topcoated with a conventional acrylic paint without affecting the flame spread rating.

#### Recommended For

For interior use on primed or previously painted wood, drywall, cellulose tile, cured plaster, masonry and metal.

#### Limitations

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

Product Information		Technical Data	White				
<b>Colors — Standard:</b> White Can be tinted with up to 2 oz. of Universal Colorants.		<b>Vehicle Type</b> 100% Acrylic					
<b>— Tint Bases:</b> N/A		<b>Pigment Type</b> Acrylic Co-Polymer					
<b>— Special Colors:</b> Contact your dealer.		<b>Volume Solids</b> 48.5 ± 1.0%					
<b>Certifications &amp; Qualifications:</b> <b>VOC compliant in all regulated areas</b>  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 meets qualifications for LEED (Leadership in Energy and Environmental Design) projects as a Flat Coating. Master Painter Institute MPI # 64		<b>Coverage per Gallon at Recommended Film Thickness</b> 150 Sq. Ft.					
 <b>UL® Flame Spread Rating</b> Class "A"; tested over Douglas fir. Standard 10 Minute Test Results per ASTM E84 / UL 723		<b>Recommended Film Thickness</b> <table border="1"> <tr> <td>– Wet</td> <td>10.7 mils</td> </tr> <tr> <td>– Dry</td> <td>5.2 mils</td> </tr> </table>		– Wet	10.7 mils	– Dry	5.2 mils
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<table border="1"> <tr> <td>Flame Spread Index</td> <td>0</td> </tr> <tr> <td>Smoke Developed Index</td> <td>35</td> </tr> </table>		Flame Spread Index	0	Smoke Developed Index	35	<b>10 minute burn class A rating:</b> ASTM E84 / UL 723 with <b>one coat</b> applied at a spread rate of 150 square feet/gallon (10.7 mils WFT/5.2 mils DFT)	
Flame Spread Index	0						
Smoke Developed Index	35						
<table border="1"> <tr> <td>Flame Spread Index</td> <td>Pass</td> </tr> <tr> <td>Smoke Developed Index</td> <td>Pass</td> </tr> </table>		Flame Spread Index	Pass	Smoke Developed Index	Pass	<b>30 minute burn class A rating:</b> ASTM E2768 with <b>two coats</b> applied at a spread rate of 150 square feet/gallon (10.7 mils WFT/5.2 mils DFT)	
Flame Spread Index	Pass						
Smoke Developed Index	Pass						
<b>Technical Assistance:</b> Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-866-708-9180 or see <a href="http://www.benjaminmoore.com/insl-x">www.benjaminmoore.com/insl-x</a>		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.					
		<b>Dry Time @ 77 °F (25 °C) @ 50% RH</b> <table border="1"> <tr> <td>– Tack Free</td> <td>30 Minutes</td> </tr> <tr> <td>– To Recoat</td> <td>2 Hours</td> </tr> </table>		– Tack Free	30 Minutes	– To Recoat	2 Hours
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		<b>High humidity and cool temperatures will result in longer dry, recoat and service times.</b>					
		<b>Dries By</b> Coalescence					
		<b>Viscosity</b> 90 – 105 KU					
		<b>Flash Point</b> N/A					
		<b>Gloss / Sheen</b> Flat (<10 @ 85°)					
		<b>Surface Temperature at Application</b> <table border="1"> <tr> <td>– Min.</td> <td>50 °F</td> </tr> <tr> <td>– Max.</td> <td>95 °F</td> </tr> </table>		– Min.	50 °F	– Max.	95 °F
– Min.	50 °F						
– Max.	95 °F						
		<b>Thin With</b> Do not Thin					
		<b>Clean Up Thinner</b> Warm Soapy Water					
		<b>Weight Per Gallon</b> 11.5 lbs.					
		<b>Storage Temperature</b> <table border="1"> <tr> <td>– Min.</td> <td>40 °F</td> </tr> <tr> <td>– Max.</td> <td>100 °F</td> </tr> </table>		– Min.	40 °F	– Max.	100 °F
– Min.	40 °F						
– Max.	100 °F						
		<b>Volatile Organic Compounds (VOC)</b>  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 FR-210

### 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 Informational 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. 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.

### Environmental Health & Safety Information

#### Danger

#### May damage fertility or the unborn child

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Response:** IF exposed or concerned: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to an approved waste disposal plant.



**WARNING:** Cancer and Reproductive Harm—  
[www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

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

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