



FIRE RETARDANT PAINT

LATEX INTUMESCENT COATING

FLAT FINISH FR-110

Features

- Intumescent product
- Soap and water cleanup
- Flame Spread Rating: Class "A" when tested in accordance with ASTM E-84 (NFPA 255) and S-102.
- Applies like a regular paint
- Low Odor
- 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, is low in odour, low in VOCs, and washes without spotting.


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.

Limitations

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

Product Information

Colours — Standard: White		Technical Data \diamond		White				
— Tint Bases: Can be tinted with up to 2 oz. of Universal Colorants.		Vehicle Type		Vinyl Acrylic				
— Special Colours: Contact your dealer.		Pigment Type		Titanium Dioxide				
Certification: <p>The products supported by this data sheet contain a maximum of 50 grams per litre VOC/VOS (0.42 lbs/gal.) excluding water & exempt solvents.</p> <p>This product is compliant as a Flat Coating.</p> <p>This product meets qualifications for LEED (Leadership in Energy and Environmental Design) projects as an Interior Flat Coating.</p> <p>MPI: Is currently approved under MPI #64</p>		Volume Solids		46.0 \pm 1.0%				
		Coverage per 3.79 L at Recommended Film Thickness						
<p>ULC Flame Spread Rating: Class "A"; tested in accordance with ASTM E-84-10/30 (NFPA 255) and S-102; tested over Douglas fir.</p>		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)						
<p>Standard 10 Minute Test Results</p> <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	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).		
Flame Spread Index	0							
Smoke Developed Index	35							
<p>30 Minute Extended Test Results</p> <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	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure colour uniformity and minimize the disposal of excess paint.		
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.ca		Dry Time @ 25°C (77°F) @ 50% RH		– Tack Free 30 Minutes – 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 (<10 @ 85°)				
		Surface Temperature at Application		– Min. 10°C (50°F) – Max. 35 °C (95 °F)				
		Thin With		Not Necessary				
		Clean Up Thinner		Warm, Soapy Water				
		Weight Per 3.79 L		4.9 kg (10.8 lbs.)				
		Storage Temperature		– Min. 10°C (50°F) – Max. 32.2°C (90°F)				
		Volatile Organic Compounds (VOC)						
		45 Grams/Litre		0.37 Lbs./Gallon				

\diamond Reported values are for White. Contact dealer for values of other bases or colours.

Fire Retardant Paint Latex Flat Finish FR-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 topcoating.

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 logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php

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 10 °C (50 °F) or above 35 °C (95 °F).

Brush: Synthetic Bristle only.

Roller: 9.5 mm – 12.7 mm (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

Warning!

Suspected of damaging 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 attention.

Storage: Store locked up.

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

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
KEEP FROM FREEZING**

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