



FIRE RETARDANT PAINT

LATEX INTUMESCENT COATING

FLAT FINISH FR-210

Features

- Intumescent product
- Class "A" when tested in accordance with ASTM E84 / UL 723, CAN/ULC S-102 & 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 temperature is between 10 °C (50 °F) and 35 °C (95 °F)

Product Information

Colours — Standard:

White

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

— Tint Bases:

N/A

— Special Colours:

Contact your dealer.

Certifications & Qualifications:

VOC compliant in all regulated areas

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



UL® Flame Spread Rating

Class "A"; tested over Douglas fir. Standard 10 Minute Test Results per ASTM E84 / UL 723, CAN/ULC S-102

Flame Spread Index	0
Smoke Developed Index	35

NGC® Flame Spread Rating

Class "A"; tested over Douglas fir. 30 Minute Extended Test Results per ASTM E2768

Flame Spread Index	Pass
Smoke Developed Index	Pass

Technical Assistance:

Available through your local authorized independent dealer.

For the location of the dealer nearest you, call 1-800-361-5898 or visit www.benjaminmoore.ca/insl-x

Technical Data◇

White

Vehicle Type	100% Acrylic
Pigment Type	Acrylic Co-Polymer
Volume Solids	48.5 ± 1.0%
Coverage per Gallon at Recommended Film Thickness	13.94 sq. m. (150 Sq. Ft.)
Recommended Film Thickness	— Wet 10.7 mils — Dry 5.2 mils

10 minute burn class A rating: ASTM E84 / UL 723, CAN/ULC S-102 with **one coat** applied at a spread rate of 13.9 sq m/per 3.79 L (10.7 mils WFT/5.2 mils DFT)

30 minute burn class A rating: ASTM E2768 with **two coats** applied at a spread rate of 13.9 sq m/per 3.79 L (10.7 mils WFT/5.2 mils DFT)

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 @ 25 °C (77 °F) @ 50% RH	— Tack Free	30 Minutes
	— To Recoat	2 Hours

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

Dries By	Coalescence
Viscosity	90 – 105 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 Do not Thin

Clean Up Thinner Warm Soapy Water

Weight Per Gallon 5.2 kg (11.5 lbs.)

Storage Temperature	— Min.	4.4 °C (40 °F)
	— Max.	37.8 °C (100 °F)

Volatile Organic Compounds (VOC)

45 Grams/Liter

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

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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 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

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.

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.**