

## APPLICATION INSTRUCTIONS

### Surface Preparation:

All surface preparation should be carried out in accordance with good painting practices. Remove all loose, peeling or powdery paint from the surface. All dirt, grease, oil, wax and other foreign material must be removed with a suitable cleaner and allowed to thoroughly dry. Steel must be primed with an approved anti-corrosive primer. If steel is already primed, perform an adhesion. If unsuitable, recoat with approved primer.

### Application:

**SafeCoat® TFI** can be best applied with airless spray equipment. Use a 17-21 thousand aperture with an 8-12" fan, depending on the size of the steel member and balancing coverage and over spray considerations.

**SafeCoat® TFI** is a heavier body paint requiring reliable and consistent pumping equipment to achieve optimal results. Apply uniformly to entire surface. If thinning is required use clean water only and do not exceed 200 mL per gallon. Surface and ambient temperature must be maintained at greater than 50° F (10°C) during application and must remain so for at least 48 hours following the application. **SafeCoat® TFI** is intended for **interior use only**. If the coated substrate will be subject to repeated washing, prolonged high humidity, or high traffic, a finish coat of **Aquatherm Plus** or suitable topcoat is required. More than one additional finishing coat could adversely affect the flame spread rating and smoke developed classification. Consult the product manufacturer or store rep for suitable top coats. A wet film thickness gauge can be used at the start of the application to check that sufficient **SafeCoat® TFI** has been applied. A rate of 16 sq. ft. per gallon or WFT of 100 mils will yield a DFT of 60 mils.

**Clean Up:** All application tools can be easily cleaned with water. If product has dried on, use hot soapy water to soften and remove it.

**Precautions:** **SafeCoat® TFI** is not "WHMIS" regulated nor is it subject to the "Transportation of Dangerous Goods Act and Regulations". See **MSDS** for detailed precautions. **PROTECT FROM FREEZING** as freezing will damage the product.

## TEST RESULTS

### FIRE RESISTANCE RATING

Testing was conducted in accordance with **ASTM E-119-08A**, **NFPA 251**, "Small Scale Test" and **CAN/ULC4-S101** by Guardian Fire Testing Laboratories Inc. of Buffalo, NY. Following is a summary of the results of those tests.

Test System	Hour Rating	Material Thickness
Steel I-Beam 10WF30	2-1/2	60 mils dry 100 mils wet

This rating would be achieved on the above steel member or other members with an equal or greater mass/density then the above tested member. Contact the manufacturer for required mil thickness on other steel members to achieve the 2.5 hour rating.

## CERTIFICATION

Each container bears a label with the following marks:

		<b>LISTED INTUMESCENT COATING, THIN-FILM</b>
Tested in accordance with ASTM E-119, NFPA 251, and CAN/ULC S-101 to 1300°F at Guardian Fire Testing Laboratories, Inc.		
		Fire Resistance Rating When applied to 10WF30 Steel Beam
Material Details		
SafeCoat TFI applied at 60 mils dry film thickness	2 hour, 30 minutes	
Guardian Listing numbers: GI95509 WC and GL95509 WU		

## PRODUCT WARRANTY

Recommendations for the use of our products are based on tests carried out at government approved labs. Manufacturer and seller are not responsible for results where the product is used under conditions beyond our control. The purchaser of this product must rely on his own judgement in determining suitability for his purpose, and in applying directions as to handling and use.