



75 Chambers Drive, Unit 9, Ajax, Ontario, L1Z 1E1 (905) 619-0115

# FLAME CONTROL NO. 400

A Water Base

Semi-Gloss Fire Resistant Paint (Overcoat)  
Fire Hazard Classification, CLASS "A"

## DESCRIPTION:

Flame Control No. 400 is a Class "A", semi-gloss, interior-exterior (\*) general purpose latex, (water base), coating. It is rated for use on noncombustible surfaces, and as a topcoat for Flame Control Intumescent Fire Retardant Paint. It dries quickly to yield a highly cleansible-scrubbable water resistant film that possesses excellent adhesion, flexibility and toughness. No. 400 is suitable for application to all interior surfaces (except floors and shelving).

(\*) Exterior application: May be used on exterior surfaces as a top coat for our 149 exterior intumescent fire retardant coating.

## RECOMMENDED USES:

Interior: For use on all noncombustible surfaces (except floors and shelving) and as an overcoat for Flame Control Intumescent Fire Retardant Paint, where a semi-gloss highly cleansable coating is desired. Exterior: May be used on exterior surfaces as a top coat for our 149 exterior intumescent fire retardant coating.

## USED BY:

Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals, Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, Utilities, Railroad and other Transportation Companies, Oil and Chemical Installations, Military Installations, and other facilities where fire resistant coatings are required.

## PERFORMANCE INFORMATION:

- Class "A" fire rated on noncombustible surfaces. (see fire hazard classification section).
- Class "A" fire rated as a topcoat for intumescent fire retardant paint. (see fire hazard classification section)

- Complies with federal, state, local building and fire code requirements.
- Dries by water evaporation to a tough, flexible, semi-gloss finish.
- Does not leach (lose fire resistant properties) on exposure to high humidity.
- Meets all current environmental regulations.

## CHARACTERISTICS:

**Finish** . Semi-gloss, 35-70 units@ 60°

**Color** . . . . . White, Off-White and 13 standard pastel colors

**Tinting** . . Can be tinted with up to 4 fl. oz. of Universal Tint. Check colorant for compatibility.

### Spreading

**Rate** . . . . . 350 to 625 sq. ft./gal. (8.6 to 15.3 m<sup>2</sup>/L)

2.6 to 4.6 mils wet, 1.0 to 1.8 mils dry, depending on substrate.

See ULC section for specific spread rate.

**Volume Solids** . . . . . 40% ± 2

**Weight Solids** . . . . . 55% ± 2

### V.O.C. Less

**Than** . . . . . 1.5 lbs./gal. (180 g/L)

### Drying Time @

**77°F & 50% RH:** . . To touch 30 min.  
To handle 1 hour  
To recoat 1 to 2 hours

**Type of Cure** . . . . . Coalescence

**Flash Point** . . . . . None (Pensky-Martens Closed Cup)

**Reducer/Cleaner** . . . . . Water

**Shelf Life** . . . . . 1 year (unopened)

**Packaging** . . . . . 1 & 5 gal. containers weight/gal. 10.8 ± 0.2 lbs.

**Shipping weight** . . . . . 4 gals - 48 lbs.  
5 gals - 56 lbs.

**Application** . . . . . Brush, roller, and airless spray

## PRECAUTIONS:

Adequate ventilation must be provided during and after application until the coating has dried. Avoid breathing vapors or spray mist. Close container after use. DO NOT TAKE INTERNALLY.

**Read MSDS before opening containers.**

**KEEP OUT OF REACH OF CHILDREN**

## SURFACE PREPARTION:

Surface preparation should be carried out according to good painting practices. Remove all loose, peeling or powdery paint from the surface. All dirt, grease, oil, wax and other foreign matter MUST be removed with a detergent. Rinse surfaces thoroughly with clear water and allow to dry. Repair all cracks, holes and other surface irregularities. Allow to dry, sand lightly and prime repaired surfaces with No.400.

## NEW SURFACES:

Can be applied directly to primed steel and directly to all other noncombustible surfaces; i.e., dry wall, plaster board, plaster and masonry surfaces. All combustible surfaces, such as wood, plywood, fiberboard, etc., must be coated with Flame Control Intumescent Fire Retardant Paint, before application of No. 400. New ferrous metal surfaces must be primed. Apply Flame Control No. 3003 Acrylic Primer. Allow to dry 3-4 hours or until hard, before applying No. 400.

## PREVIOUSLY PAINTED SURFACES:

Noncombustible surfaces having excessive conventional paint film build up, and all combustible surfaces, such as wood, plywood, fiberboard, etc., must be coated with Flame Control Intumescent Fire Retardant Paint, before application of No. 400.



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No. 400 may be applied directly to existing paint that is tightly adherent and in good condition. All glossy surfaces should be dulled with sandpaper. Spot prime where necessary with appropriate primer as shown above, before application of No. 400.

### APPLICATION:

Mix paint thoroughly by boxing or stirring. Flame Control No. 400 can be applied by brush, roller, airless or conventional heavy duty spray equipment. Apply using a full bodied coat at the recommended coverage rates. To conform with surface burning characteristics established for this paint, dilution of the paint should be compensated with reduced coverage rates. Do not apply when surface or air temperatures are below 50°F (10°C). Protect from freezing.

### APPLICATION EQUIPMENT:

#### Airless Spray

#### Titan 440 Impact (or Equivalent)

- Pump
- Fluid Pressure. . . . . 2250-2700 psi
- Manifold Filter . . . . . 60 Mesh
- Gun Filter . . . . . 60 Mesh
- Fluid Hose . . . . . ¼" diameter
- Gun . . . . . LX-80 II
- Tip. . . . . .017 - .023
- Reduction . . . . . Up to 7%

### FIRE HAZARD CLASSIFICATION

Flame Spread Rating. Class "A" when tested in accordance with ASTM E-84 (NFPA 255), the coating obtained the following UNDERWRITERS' LABORATORIES OF CANADA fire hazard classification.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO DOUGLAS FIR)	
	Flame Spread	Smoke Developed
<b>PRIMER</b> – None <b>BASE COAT</b> – Type 10-10 applied in one coat at 190 sq. ft./U.S. gal. (4.7 m <sup>2</sup> /L) <b>TOP COAT</b> – Type 40-40A (400) applied in one coat	10	15

Flame Spread Rating. Class "A" when tested in accordance with ASTM E-84 (NFPA 255), the coating obtained the following UNDERWRITERS LABORATORIES INC. AND UNDERWRITERS' LABORATORIES OF CANADA fire hazard classification.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO INORGANIC-CEMENT BOARD)	
	Flame Spread	Smoke Developed
<b>PRIMER</b> – None <b>BASE COAT</b> – Type 40-40A(400) applied in one coat at 330 sq. ft./U.S. gal. (8.1 m <sup>2</sup> /L)/coat <b>TOP COAT</b> – None	0	0

As we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used, we accept no responsibility for results obtained by the application of this information or the safety or suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. We sell the products without warranty or guarantee, and buyers and users assume all responsibility and liability for loss or damage from the handling and use of our products, whether used alone or in combination with other products.