



FLAME CONTROL NO. 133A

A Water Base Varnish

Fire Retardant Polyurethane Varnish
Fire Hazard Classification, Class "B"

DESCRIPTION:

Flame Control No. 133A is a water base, fire retardant polyurethane varnish, with a semi-gloss sheen. It is designated for use on all new or previously coated interior wood surfaces (except floors). The varnish will not leach or turn white on aging or washing.

RECOMMENDED USES:

For application to all interior wood surfaces, where a reduction of surface burning characteristics is required to comply with building code requirements. Recommended for use over water-based stains. For use over oil-based stains, coating should be tested first as oil-based stains are not recommended.

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 retardant coatings are required.

PERFORMANCE INFORMATION:

- Class "B" fire rated on wood when applied in two coats at 450 sq.ft./gallon per coat. - 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 retardancy) on exposure to high humidity.
- Meets all current environmental regulations.

- The coating is somewhat thermosplastic.
- Precaution must be taken when two coated surfaces are touching each other, to prevent sticking and blocking.

CHARACTERISTICS:

Finish Clear

Spreading

Rate 450 sq. ft./gal. (11.0 m²/L)
applied in two coats
3.6 mils wet, 0.9 mils dry per coat

Coverage . . . 225 sq.ft./gal (5.5 m²/L)

V.O.C. 0.74 lbs./gal. (89 g/L)

Volume Solids 24% ± 2

Weight Solids 28% ± 2

Drying Time @ 77°F & 50% RH: . .

To touch 15-30 min.

To handle 60 min.

To top coat 30 min.

Type of Cure

. Water Evaporation/Coalescence

Flash Point. None

Reducer/Cleaner Water

Shelf Life. 1 year (unopened)

Packaging 1 & 5 gal. containers
weight/gal. 8.7 lbs.

Shipping weight 4 gals - 40 lbs.
5 gals - 48 lbs.

Application . Brush, foam applicator,
conventional 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. Keep from freezing.

Read MSDS before opening containers.

KEEP OUT OF REACH OF CHILDREN

SURFACE PREPARATION:

Surface preparation should be carried out according to good painting practices. All dirt, grease, oil, wax, rust and other foreign matter must be removed. May be applied to previously coated surfaces in good condition. Substrates containing oil-based stains should be tested first. Glossy surfaces must be dulled with sandpaper or steel wool. All sanding, filling of nail holes, etc. must be completed prior to the application of No. 133A.

APPLICATION:

No. 133A can be applied by brush, foam applicator or spray. Stir material well before using, then apply a uniform coat at a coverage rate of 225 sq. ft./U.S. gallon (5.5 m²/L), applied in one coat, or two coats at 450 sq. ft./gal (11.0m²/L). Allow at least 30 minutes drying time between coats. Do not apply when surface or air temperature is below 50°F (10°C).

APPLICATION EQUIPMENT:

Airless Spray

Titan 440 Impact (or Equivalent)

Pump

Fluid Pressure 2000-2400 psi

Manifold Filter 60 Mesh

Gun Filter 60 Mesh

Fluid Hose ¼" diameter

Gun LX-80 II

Tip.010 - .013



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FIRE HAZARD CLASSIFICATION

Flame Spread Rating. Class “B” when tested in accordance with ASTM E-84 (NFPA 255, ANSI/UL723 and UBC 8-1), the coating obtained the following fire hazard classification.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO DOUGLAS FIR)	
	Flame Spread	Smoke Developed
SEALER – None BASE COAT – Type 133A applied at 450 sq. ft./U.S. gal. (11.0 m ² /L) TOP COAT – Type 133A applied at 450 sq. ft./U.S. gal. (11.0 m ² /L)	55	170

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