

DESCRIPTION:

Flame Control No. 129 is a Class "B" fire retardant varnish base coat when applied to combustible surfaces. No. 129 must be top coated with No. 130 Fire Retardant Varnish Overcoat, for maximum durability, cleansibility and to comply with the Underwriters Laboratories of Canada Class "B" fire hazard classifications. No. 129 is designed for use on all new and previously coated wood surfaces (except floors). No. 129 and No. 130 contain no water soluble ingredients. The coatings will not leach or turn white on aging or washing. The varnish system is suitable for use on interior and exterior surfaces. On exterior applications, the life expectancy is similar to that of conventional alkyd varnishes. No. 129 is manufactured with Rule 66 mineral spirits, and possesses no strong or unpleasant odours during application.

RECOMMENDED USES:

For application to all combustible surfaces, where it is either necessary or desirable to reduce the surface burning characteristics of the substrate.

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 combustible surfaces when top coated with Flame Control No. 130 fire retardant varnish Top Coat. (see fire hazard classification section)
- Class "A" fire rated on noncombustible surface when top coated with Flame Control No. 130 fire retardant varnish top coat. (see fire hazard classification section)

- Complies with federal, provincial, local building and fire code requirements.
- Dries by solvent evaporation to a flexible clear finish.
- Does not leach (lose fire retardancy) on exposure to high humidity.
- Meets all current environmental regulations - Photochemically nonreactive according to Rule 102.

CHARACTERISTICS:

Finish Clear

Spreading Rate

Per Coat 300 sq.ft./gal. (7.4 m²/L)
5.3 mils wet, 1.75 mils dry

Solids by Weight 46% ± 2%

Solids by Volume 33% ± 2%

Drying Time @ 77°F (25°C) & 50% R.H.

- To touch 4 hours
- To handle 8 hours
- To Recoat 24 hours

Type of Cure Solvent Evaporation

Flash Point

of Liquid Coating 105°F (40.6°C)
(Pensky-Martens closed cup)

Reducer/Cleaner Mineral Spirits

Shelf Life 2 years (unopened)

Packaging 1 & 5 gal. containers
weight/gal. 8.0 ± 0.2 lbs.

Shipping Weight 4 gals. - 35 lbs.
5 gals. - 42 lbs.

Application Brush, roll, conventional
and airless spray

PRECAUTIONS:

The liquid coating contains volatile (combustible) solvents. Due care must be exercised during and after application. Adequate ventilation must be provided during and after application until the coating is dry. Keep away from heat, sparks and open flame. Do not smoke. Extinguish all flames, pilot lights and heaters, turn off stoves, electric tools and appliances, and any other source of ignition.

Avoid contact with skin and breathing of vapor or spray mist. Close container after use. **DO NOT TAKE INTERNALLY.**

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. 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. 129.

APPLICATION:

Mix material thoroughly by boxing or stirring. Flame Control No. 129 can be applied by brush, roller conventional or airless spray. Apply a uniform coat at a coverage rate of up to 300 sq. ft./U.S. gallon (7.4 m²/L). The coverage rate obtained will vary with the porosity of the wood. To conform with surface burning characteristics established for this varnish, dilution of the varnish should be compensated with reduced coverage rates. Do not apply when surface or air temperature is below 50°F (10°C).

APPLICATION EQUIPMENT:

Conventional Spray

- Air Supply . . . 11.5 CFM, 50 psi fluid 15 psi
- Gun . Graco 217-800 to 217-816
- Type External Mix
- Reduction Up to 7%

FLAME CONTROL NO. 129

A Mineral Spirit Base, Alkyd Type

Fire Retardant Varnish Base Coat

Fire Hazard Classification, CAN/ULC S-102, CLASS "B" (*)

(*) When Used With Flame Control No. 130

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
Tip010 - .013
Reduction Up to 7%

FIRE HAZARD CLASSIFICATION

Flame Spread Rating. Class "B" for No. 129 and No. 130 coating system when applied to combustible surfaces (Class "A" over non combustible surfaces); when tested in accordance CAN/ULC S-102 (ASTM E-84), 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
SEALER – None BASE COAT – Type 129 applied in one coat at 300 sq. ft./U.S. gal. (7.4 m ² /L) TOP COAT – Type 130 applied in one coat at 600 sq. ft./US gal (14.7 m ² /L)	45	50
COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO ASBESTOS-CEMENT BOARD)	
SEALER – None BASE COAT – Type 129 applied in one coat at 300 sq. ft./U.S. gal. (7.4 m ² /L) TOP COAT – Type 130 applied in one coat at 600 sq. ft./US gal (14.7 m ² /L)	5	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.