



FLAME CONTROL NO. 129

A Mineral Spirit Base, Alkyd Type

Fire Retardant Varnish Base Coat
Fire Hazard Classification, CLASS "B"

DESCRIPTION:

Flame Control No. 129 is a Class "B" fire retardant varnish base coat when applied to combustible surfaces. No. 129 must be topcoated with No. 130 Fire Retardant Varnish Overcoat, for maximum durability, cleansibility and to comply with the 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 surfaces. No. 129 is manufactured with Rule 66 mineral spirits, and possesses no strong or unpleasant odors 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 topcoated with Flame Control No. 130 Fire Retardant Varnish Topcoat. (see fire hazard classification section)

- Class "A" fire rated on noncombustible surfaces when topcoated with Flame Control No. 130 Fire Retardant Varnish Topcoat. (see fire hazard classification section).
- Complies with federal, state, 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 - Photochemically nonreactive according to Rule 102.

CHARACTERISTICS:

Finish	Clear
Spreading Rate	
Per Coat	300 sq.ft/gal. (7.4 m ² 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 hour
To handle	8 hours
To topcoat	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 year (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

Read MSDS before opening containers.

KEEP OUT OF REACH OF CHILDREN

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.

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. For best appearance, new, previously uncoated surfaces should be sealed with a thinned down coat of No. 130 High Gloss (1 pint of mineral spirits per gallon of No. 130HG). This is especially important if you are going over a porous wood (i.e. masonite, OSB, oak, etc.) and desire a final low or semi gloss clear appearance. All sanding, filling of nail holes, etc. should be completed prior to the application of No. 130HG.

If staining of the wood is desired, staining with a penetrating oil based stain should be done first prior to the application of No. 130HG or No. 129.



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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%

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

Reduction Up to 7%

FIRE HAZARD CLASSIFICATION

Flame Spread Rating. Class "B" when applied to combustible surfaces. Class "A" over non-combustible surfaces; when tested in accordance with ASTM E-84 (NFPA 255), 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 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)	Flame Spread	Smoke Developed
	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.