



**Product Description:**

Flame Control Class A Varnish Basecoat is designed to be applied to interior combustible surfaces. This product must be top coated with Flame Control Class A Varnish Fire Retardant Topcoat to achieve the stated Flame Spread Rating. This Class A Varnish is designed for use on all new and previously coated wood surfaces (except floors). Flame Control Class A Varnish contains no water-soluble components meaning this coating will not leach or turn white due to aging or washing. Note: To obtain the Class A rating, one coat of the Class A Basecoat and one coat of the Class A Topcoat must be applied at the prescribed coverage rates.

**Characteristics:**

<b>Finish</b>	Clear	<b>Shelf Life</b>	2 Years (Unopened)
<b>Solids</b>	46% by Weight	<b>Flash Point</b>	105°F
<b>Application Temperature</b>	50°F (10°C) *** See Application Temperature Section	<b>Reducer/Cleaner</b>	Mineral Spirits
<b>Packaging</b>	1, 5 & 55 gal. containers	<b>Application</b>	Brush, Roller, Spray
<b>Drying Time @ 77°F (25°C) &amp; 50% R.H.</b>	To touch: 4 Hours To Topcoat: 24 Hours	<b>Spread Rate Per Coat</b>	300 Sq Ft/Gallon 5.3 mils wet, 1.75 mils dry
<b>Shipping Weight</b>	4 gallons: 35 lbs    5 gallons: 42 lbs	<b>Type of Cure</b>	Solvent Evaporation

**Recommended Uses:**

Flame Control Class A Varnish is designed for use on interior combustible surfaces where it is necessary or desirable to reduce the surface burning characteristics of the substrate.

Typical Applications include: wainscoting, paneling, trim & molding, dimensional lumber, plywood, hand rails, shelving and many other interior applications.

**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.

**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 Class A Varnish Topcoat High Gloss (thinned with 1 pint of mineral spirits per gallon).

All sanding, filling of nail holes, etc. should be completed prior to the application. If staining of the wood is desired, staining with a penetrating oil-based stain should be done first prior to the application of this varnish system.

\*\* Porous wood surfaces including reclaimed woods should be properly sealed prior to the application of this coating system. Failure to do so may result in reduced film thickness and aesthetic inconsistencies.



**Class A Varnish Basecoat**  
Interior Fire-Retardant Varnish Base Coat  
Fire Hazard Classification, Class A

**Performance Information:**

Flame Control Class A Varnish System has obtained a Class A Flame Spread rating when applied to combustible surfaces. This was tested in accordance with ASTM E-84 (NFPA 255) test standards at UNDERWRITERS LABORATORIES in Northbrook, IL.

**Application:**

Mix Material thoroughly by boxing or stirring. Flame Control Class A Varnish can be applied by brush, roller, conventional or airless spray. Apply at a uniform coverage rate of 300 Sq. ft/gallon to obtain a targeted total dry film thickness of 1.75 mils. The coverage rate obtained will vary with the porosity of the wood. To conform with surface burning characteristics of this product, dilution of the varnish should not exceed 7% by volume. Reduction of the product should be compensated for with reduced coverage rates.

Do not apply when surface or air temperature is below 50°F (10°C).

**Application Equipment:**

Flame Control Class A Varnish System can be applied by brush, roller, or spray.

**Brushing:** Use top quality polyester/nylon blend brushes

**Rolling:** 3/8" polyester blend nap roller covers generally work well when applying Flame Control Class A Varnish Basecoat and Topcoats.

**Spraying:**

**Airless Spray Minimum:**

**PSI:** 2000 PSI or higher or equivalent

**Filter:** 60 mesh

**Hose:** 1/4" diameter

**Tip:** .010 - .013

**Reduction:** Up to 7%

**For Conventional Spray:**

**Air Supply:** 11.5 CFM

**Gun:** Graco 217- 800 to 217-816

**Type:** External Mix

**Reduction:** Up to 7%

**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.

**Coating System Details (as tested)**

<b>Sealer:</b>	None
<b>Base Coat</b>	Flame Control Class A Basecoat
<b>Top Coat</b>	Flame Control Class A Topcoat
<b>Flame Spread</b>	20
<b>Smoke Developed:</b>	160-240

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.

Please Consult SDS Prior to Opening  
Keep out of reach of Children

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