



Class A Varnish Topcoat
Interior Fire-Retardant Varnish Top Coat
Fire Hazard Classification, Class A

Product Description:

Flame Control Class A Varnish Topcoat is a fire-retardant varnish to be used as a topcoat for Flame Control Class A Basecoat. This product is available in three sheens; low, semi and high-gloss. These coatings contain no water-soluble ingredients and will not leach or blush when subjected to washing. This product is suitable for use on most interior combustible surfaces (excluding floors). 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:

Finish	Clear: Low, Semi or High-Gloss	Shelf Life	2 Years (Unopened)
Solids	44% by Weight	Flash Point	105°F
Application Temperature	50°F (10°C) *** See Application Temperature Section	Reducer/Cleaner	Mineral Spirits
Packaging	1, 5 & 55 gal. containers	Application	Brush, Roller, Spray
Drying Time @ 77°F (25°C) & 50% R.H.	To touch: 4 Hours To Recoat: 24 Hours	Spread Rate Per Coat	600 Sq Ft/Gallon 2.7 mils wet, 1 mils dry
Shipping Weight	4 gallons: 35 lbs 5 gallons: 42 lbs	Type of Cure	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:

After the application of Flame Control Class A Basecoat has been completed, please allow the surface to dry for a minimum of 24 hours before applying the topcoat. Prior to the application of the Class A Topcoat, the surface should be lightly sanded with a fine grit sandpaper or 0000 steel wool.

Remove all dust, dirt and contaminants from the surface prior to applying the Class A Topcoat.

** 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.

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.



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Application:

Mix Material thoroughly by boxing or stirring. Flame Control Class A Varnish Topcoat can be applied by brush, roller, conventional or airless spray. Apply at a uniform coverage rate of 600 Sq. ft/gallon (1 mil DFT). In hard use areas where excessive wear is expected, a second coat is suggested. Allow 24 hours between coats. 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)

Sealer:	None
Base Coat	Flame Control Class A Basecoat
Top Coat	Flame Control Class A Topcoat
Flame Spread	20
Smoke Developed:	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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