

FIRE Retardants Inc.[™]

The Decision You Make May Save A Life!

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Visit Our Web Site at www.fireretardantsinc.com

BURN BARRIER™ NO. 141

A Polyurethane Varnish

Fire Hazard Classification, Class "B"

Fire Retardant Polyurethane Varnish

DESCRIPTION:

BURN BARRIER™ No. 141 is a clear, transparent finish, designed for interior use on gym floors and other wood floor surfaces, where maximum resistance to abrasion, scrubbing and washing is required. No. 141 is also suitable for use on other interior surfaces, such as wood paneling, doors, trim, dadoes, wainscoting, stairs, and concrete floors. It is available in a gloss or semi-gloss finish.

RECOMMENDED USES:

For application to all wood surfaces, where a reduction of surface burning characteristics is required to comply with building code requirements.

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 400 sq.ft./gallon per coat. - See Fire Hazard Classification Section.
- Complies with federal, state, local building and fire code requirements.
- Does not leach (lose fire retardancy) on exposure to high humidity.
- Meets all current environmental regulations.

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CHARACTERISTICS:

Finish Clear

Tinting Can be tinted up to 4 fl. oz. with most universal colorants, which will provide a semi-opaque color. Check colorant for compatibility, using about 2 fl. oz. of No. 141 and 4-6 drops of colorant. Mix well, and check for gelling, precipitation, or other adverse reaction. Allow sample to sit overnight, before proceeding.

Spreading

Rate 400 sq. ft./gal. (9.8 m²/L)
applied in two coats
4 mils wet, 1.9 mils dry

Coverage 200 sq.ft./gal (1.8 m²/l.)

V.O.C. Less

Than 3.39 lbs./gal. (407 g/l.)

Volume Solids 47% ± 2

Weight Solids 56% ± 2

Drying Time @

77°F & 50% RH:
To touch 4 hours
To top coat 24 hours

Type of Cure Solvent Evaporation

Flash Point 105°F (40.6°C)

Reducer/Cleaner Mineral Spirits

Shelf Life 6 months (unopened)

Packaging 1 & 5 gal. containers
weight/gal. 7.8 lbs.

Shipping weight 4 gals - 36 lbs.
5 gals - 43 lbs.

Application Brush, roller,
conventional and airless spray

PRECAUTIONS:

WARNING! FLAMMABLE LIQUID & VAPOR: CONTAINS MINERAL SPIRITS.

VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. NOTICE: Reports have associated repeated and

prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Keep away from heat, sparks and flame. **VAPORS MAY CAUSE FLASH FIRE.** Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

Read MSDS before opening containers.

KEEP OUT OF REACH OF CHILDREN

SURFACE PREPARATION:

Surfaces must be dry, clean, free of all wax, grease, dirt, sanding dust, etc. 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. 141 (1 pint of mineral spirits per gallon of No. 141) or other suitable wood sealer (do not use lacquer-type sealers). All sanding, filling of nail holes, etc. should be completed prior to the application of No. 141.

APPLICATION:

BURN BARRIER™ No. 141 can be applied by brush, roller or spray. If sealer has been applied, allow surface to fully dry before applying No. 141. Stir material well before using, then apply a uniform coat at a coverage rate of approximately 400 sq.ft./U.S. gallon (9.8 m²/l.). The coverage rate will vary, depending on the porosity of the surface. Allow to dry overnight or until hard. Lightly sand, clean dust from the surface, then apply a second coat at the same coverage rate. Note: Two coats are required to comply with the Class "B" fire retardant rating established.



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APPLICATION EQUIPMENT:

Airless Spray

Fluid Pressure.....1625 psi
Strainer..... 100 Mesh
Fluid Hose..... ¼" diameter
Gun..... G-10N
Tip..... .012 - .017
Reduction..... Up to 7%

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 141 applied at 400 sq. fl./U.S. gal. (9.8 m ² /L) TOP COAT – Type 141 applied at 400 sq. fl./U.S. gal. (9.8 m ² /L)	60	170

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.