

FIRE Retardants Inc.TM

The Decision You Make May Save A Life!

123 Columbia Court North • Suite 201 • Chaska, MN 55318

952-448-7377 • Fax: 952-448-2613

Fire Retardant "HOT LINE" 1-800-913-9385

E-mail: info@fireretardantsinc.com

Visit Our Web Site at www.fireretardantsinc.com

BURN BARRIER NO. 129

A Mineral Spirit Base, Alkyd Type

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

DESCRIPTION:

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 Underwriters' laboratories 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 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, Motels, 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 BURN BARRIER No. 130 Fire Retardant Varnish Topcoat. (see fire hazard classification section)
- Class "A" fire rated on noncombustible surfaces when topcoated with BURN BARRIER 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 present lead and ecological regulations - Photochemically nonreactive according to Rule 102.

CHARACTERISTICS:

Finish Clear

Spreading Rate

Per Coat 300 sq.ft./gal.
(7.4 m²/l.)
5.5 mils to 1.8 mils dry

Coverage at 1 Mil Dry . 534 sq. ft./gallon

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 6 months (unopened)

Packaging 1 & 5 gal. containers
weight/gal. 7.8 + 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 nails holes, etc. must be completed prior to the application of No. 129.

APPLICATION:

Mix material thoroughly by boxing or stirring. BURN BARRIER 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

Pump Super Stinger *
Fluid pressure 1625 psi
Strainer 100 Mesh

Continued on next page...



FIRE Retardants Inc.™

The Decision You Make May Save A Life!

123 Columbia Court North • Suite 201 • Chaska, MN 55318

952-448-7377 • Fax: 952-448-2613

Fire Retardant "HOT LINE" 1-800-913-9385

E-mail: info@fireretardantsinc.com

Visit Our Web Site at www.fireretardantsinc.com

BURN BARRIER NO. 129

A Mineral Spirit Base, Alkyd Type

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

Fluid Hose ¼" diameter
Gun G-10N
Tip012 - .017
Reduction Up to 7%

* Minimum

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 UNDERWRITERS' LABORATORIES 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) 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.)	5	0

Information provided herein is based on tests believed to be reliable. In as much as we have no control over the use or application to which others may put this material, we make no guarantee or warranty. This product is sold on the condition that each user of the material make their own evaluation to determine the material's suitability for their own particular use.

Revised 2/07