EAGLE SPECIALIZED COATINGS AND PROTECTED ENVIRONMENTS

A Division of DW Pearce Enterprises Ltd . (1979)

Contact us by telephone, fax
Telephone: 1-604-576-2212
Facsimile: 1-604-576-7773
Email: info@eaglecoatings.net

FLAME CONTROL NO. 166

A Solvent Base Coating

Intumescent Fire Retardant Varnish
Fire Hazard Classification, CLASS "A"

DESCRIPTION:

Flame Control No. 166 is a clear satin finish fire retardant varnish having a Class "A" Underwriters' laboratories flame spread rating. When exposed to flame or high heat, the coating puffs up to form a thick insulating cellular foam. This foam layer retards the penetration of heat, thereby reducing the flame spread (surface burning characteristics) and smoke development of combustible materials.

RECOMMENDED USES:

No. 166 is designed for use on interior wood surfaces where it is desirous to maintain the natural wood appearance, while obtaining a Class "A" flame spread rating. No. 166 is suitable for use on wall paneling, ceiling panels and other such surfaces. Not recommended for use on floors, doors, shelving, or in areas where there could be exposure to dampness, high humidity, moisture or water, as the coating is somewhat softer than conventional varnishes, and may turn milky if exposed to damp or humid conditions. (On hard use surfaces or in areas where damp and humid conditions could be encountered, we recommend Flame Control No. 129 and No. 130 Class "B" Fire Retardant Varnish system). No. 166 dries to a clear velvety satin finish. All surfaces that will be subjected to handling, or where a low, semi or hi-gloss finish is desired, should be topcoated with Flame Control No. 167 Fire Retardant Varnish Overcoat. The use of No. 167 Overcoat greatly improves the durability of No. 166.

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.

USE UNTOPCOATED OR TOPCOATED:

Topcoating is not necessary for many applications, however, all surfaces that will be subjected to handling, or where a low, semi or hi-gloss finish is desired, should be topcoated with Flame Control No. 167 Fire Retardent Varnish Overcoat. The use of No. 167 Overcoat greatly improves the durability of No. 166.

PERFORMANCE INFORMATION:

- Class "A" fire rated (see fire hazard classification section)
- Complies with federal, state, local building and fire code requirements.
- Dries by solvent evaporation to a velvety satin finish.
- Meets all present lead regulations.

CHARACTERISTICS:

Finish. . . . . Satin, 5-10 units @60º

Color . . . . . Clear Varnish

Spreading Rate. . . . . 300 sq.ft/gal. (7.4 m^2L) 5.3 mils wet, 2.7 mils dry/coat (2 coats required)

Solids by Weight . . . . . 63% ± 2%

Solids by Volume . . . . . 50% ± 2%

Drying Time @ 77ºF (25ºC) & 50% R.H.

To touch. . . . . .3-4 hour
To handle . . . . . .7-8 hours
To recoat . . . . . 16 hours
To topcoat . . . . . .48 hours

Type of Cure . . . . . Solvent Evaporation

Flash Point of Liquid Coating . . . . . .105ºF (40.6ºC) (Pensky-Martens closed cup)

Reducer . . . . . .No. 166 Special Reducer

Clean Up Solvent . . . . . Xylene (Xylol)

Shelf Life . . . . . 1 year (unopened)

Packaging . . . . . .1 & 5 gal. containers weight/gal. 9.9 ± 0.2 Ibs.

*** Also available in 12 oz Aerosol Cans**

Shipping Weight. . . . . 4 gals. - 44 Ibs. 5 gals. - 53 Ibs.

Application . . . . . Brush, roll, airless Conventional heavy duty 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 PREPARTION:

Surface preparation should be carried out according to good painting practices. All dirt, grease, oil, wax, and other foreign matter must be removed.

NEW SURFACES:

All surfaces must be dry, clean, free of all dirt, sanding dust, etc. If staining is desired, the use of non bleeding type stains is recommended. All surfaces should be thoroughly sealed with Flame Control No. 66 Clear Wood Sealer. Allow the surface to thoroughly dry before proceeding with the application of No. 166. It is recommended that a representative sample of the system be prepared prior to starting the project.

PREVIOUSLY COATED SURFACES:

All surfaces which have been previously coated with a conventional coating (this includes prefinished wood paneling), must be washed down with mineral spirits or other suitable solution, to remove all wax, grease, etc. Lightly sand or steel wool all glossy surfaces, test patch small areas, if old coating is not affected, proceed with the application of No. 166.