

DESCRIPTION:

Flame Control No. 10-10A is a V.O.C. Compliant Class "A", interior & exterior*, mineral spirit based, flat, alkyd type, fire retardant paint, manufactured in accordance with Federal Specification TT-P-26C. No. 10-10A dries quickly to a velvety flat finish, having the appearance of a conventional paint. On contact with flame or excessive heat, the coating decomposes and puffs up (intumesces) forming a thick, dense, spongy foam layer that checks flame spread and retards heat penetration.

RECOMMENDED USES:

For application to all interior combustible surfaces and exterior surfaces (with use of an exterior topcoat) where it is either necessary or desirous to reduce the surface burning characteristics of combustible materials such as wood, PVC, ABS and other plastics. Also can be used on metal surfaces to retard the penetration of heat and fire. It is not recommended for a hourly rating on structural steel beams and columns.

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 Class "A" fire retardant coatings are required.

USE UNTOPCOATED OR TOPCOATED:

Topcoating is not necessary for most applications, however, on surfaces requiring maximum washability and cleansibility, No. 10-10A should be topcoated with Flame Control No. 40-40A or an equivalent good quality interior water based paint.. On exterior surfaces, the 10-10A must be topcoated with a good quality water based exterior acrylic paint.

PERFORMANCE INFORMATION:

- Class "A" fire rated; has also been fire tested for periods up to 60 minutes (1 hour) - See Fire Hazard Classification Section.
- Complies with federal, provincial, local building and fire code requirements.
- Dries by solvent evaporation to a tough, hard, velvety flat finish.
- Does not leach (lose fire retardancy) on exposure to high humidity.
- Generally accepted by electrical inspection authorities for use inside PVC and ABS electrical boxes and panels.

CHARACTERISTICS:

- Finish** Flat, 5 units max. @ 60°
- Color** White
- Tinting** Can be tinted up to 2 fl. oz. with Color Trend #844 or Uni-Cal 66 colorant. Check colorant for compatibility, using about 2 fl. oz. of No. 10-10A 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**
230 sq. ft./gal. (5.6 m²/L)
7 mils wet, 3.5 mils dry
- V.O.C.** Less Than 2.74. lbs./gal.(329 g/L)
- Volume Solids** 51% ± 2
- Weight Solids** 66% ± 2
- Drying Time @ 77°F & 50% RH:**
To touch 30 min.
To handle 6-8 hours
To topcoat 24 hours
- Type of Cure** Solvent evaporation
- Flash Point** 105°F (40.6°C)
(Pensky-Martens Closed Cup)
- Reducer/Cleaner** . Pure Mineral Spirits
or VM & P Naphtha
- Shelf Life** 24 months (unopened)
- Packaging** 1 & 5 gal. containers
weight/gal. 11 ± 0.2 lbs.
- Shipping weight** 4 gals - 48 lbs.
5 gals - 58 lbs.
- Application** Brush, roll, 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. All metal surfaces must be primed. PVC and ABS surfaces should be lightly sanded.

NEW SURFACES:

New wood, fiberboard and other surfaces having uneven or excessive porosity should be sealed with an acrylic primer. On hard to adhere surfaces, use of a bonding primer is recommended. Allow primer to dry to manufacturers specs before applying No. 10-10A. New ferrous metal surfaces must be primed with a good quality universal metal primer. Allow to dry thoroughly before applying No. 10-10A. On PVC and ABS, sand before applying, and be sure to remove any sanding dust, shavings, and loose particles. On other plastics, test to be sure the solvent will not affect the plastic, and if it does a primer can be used to prevent this. For best results, prime all new surfaces.

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Fire Hazard Classification, CAN/ULC S-102 Class "A", ASTM E-84 Class "A"
also up to 60 minutes (1 hour) per ULC S-101

PREVIOUSLY PAINTED SURFACES:

No. 10-10A may be applied directly to existing paint that is tightly adherent and in good condition. All glossy surfaces should be dulled with sandpaper. Spot prime where necessary with appropriate primer as shown above, before application of No. 10-10A.

APPLICATION:

Mix paint thoroughly by boxing or stirring. No. 10-10A can be applied by brush, roller, airless or conventional heavy duty spray equipment. Apply using a full bodied coat at the recommended coverage rates. To conform with surface burning characteristics established for this paint, dilution of the paint should be compensated with reduced coverage rates. Do not apply when surface or air temperature is below 50°F (10°C).

APPLICATION EQUIPMENT:

Airless Spray

Titan 440 Impact (or Equivalent)

Pump

Fluid Pressure. 2100-2600 psi

Manifold Filter 60 Mesh

Gun Filter 60 Mesh

Fluid Hose ¼" diameter

Gun LX-80 II

Tip.017 - .021

Reduction Up to 7%

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.

CAN/ULC S-102 CLASSIFICATION

Flame Spread Rating Class "A" when tested in accordance with CAN/ULC S-102 (ASTM E-84), the coating obtained the following UNDERWRITERS' LABORATORIES OF CANADA fire hazard classification.

COATING (SYSTEM) DETAILS (WHEN APPLIED TO DOUGLAS FIR)	CLASSIFICATION OR RATING	
	Flame Spread	Smoke Developed
PRIMER – None BASE COAT – Type 10-10A applied in one coat at 230 sq. ft./U.S. gal. (5.6 m ² /L) TOP COAT - None	10	15
PRIMER – None BASE COAT – Type 10-10A applied in one coat at 190 sq. ft./U.S. gal. (4.7 m ² /L) TOP COAT – Type 40-40A applied in one coat at 625 sq. ft./U.S. gal (15.3 m ² /L)	10	15

CAN/ULC S-101 FIRE TEST

When tested in accordance with CAN/ULC S-101 (ASTM E-119), the coating obtained the following fire resistance rating.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO WOOD WALL ASSEMBLIES AND OPEN JOIST CEILING ASSEMBLIES) FIRE RESISTANCE RATING
PRIMER – None BASE COAT – Type 10-10 applied in two coat at 250 sq. ft./U.S. gal. (6.1 m ² /L)/coat TOP COAT – None	60 MINUTES

60 MINUTE NFPA 703 FIRE TEST

The fire test was conducted for a total time period of 60 minutes. There was no evidence of significant progressive combustion at the 60 minute period. A complete 60 minute fire test is available upon request.

COATING (SYSTEM) DETAILS (WHEN APPLIED TO DOUGLAS FIR PLYWOOD)	CLASSIFICATION OR RATING
	Flame Spread Smoke Developed
PRIMER – None BASE COAT – Type 10-10 applied in two coat at 250 sq. ft./U.S. gal. (6.1 m ² /L)/coat TOP COAT – None	(*) 0 (*) 25

CAN/ULC S-102 FRP

Flame Spread Rating Class "A" when tested in accordance with CAN/ULC S-102 (ASTM E-84), the coating obtained the following INTERTEK/WARNOCK HERSEY fire hazard classification.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING
	Flame Spread Smoke Developed
PRIMER – None BASE COAT – Type 10-10 applied in two coat at 215 sq. ft./U.S. gal. (5.3 m ² /L)/coat TOP COAT - None	15 130