

EXTERIOR GUARD BASECOAT
(FLAME CONTROL NO. 20-20A EXTERIOR VERSION)

V.O.C. Compliant Intumescent Fire Retardant Paint

Fire Hazard Classification, CAN/ULC S-102 Class "A", ASTM E-84 Class "A"
also up to 30 minutes (1/2 hour) per NFPA 703 & BOCA 1702-4.1

DESCRIPTION:

Flame Control Exterior Guard Basecoat (No. 20-20A Exterior Version) is a V.O.C. Compliant Class "A", exterior, low VOC, water base, flat latex, fire retardant paint, manufactured in accordance with Federal Specification TT-P-001932. May be used on exterior applications where protected from direct weathering, such as under siding or where protected by other exterior treatments or coatings. This coating dries quickly to a flat finish, having the appearance of a conventional flat latex paint. In the presence of heat or flame the coating puffs up (intumesces) and forms a thick, sponge like cellular foam layer; this foam layer insulates the substrate reducing the penetration of heat, thus retarding the flame spread and delaying structural failure.

RECOMMENDED USES:

For application on combustible surfaces where it is either necessary or desirous to reduce the surface burning characteristics of the substrate. May be used on exterior applications such as on dimensional lumber, composite wood, OSB or plywood to upgrade the materials to non-flammable where siding, cladding, or other exterior treatments or coatings are to be installed as the finish surface treatment.

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:

Topcoat not required on exterior applications where protected from

direct weathering, such as under siding or cladding, however if the paint is the final surface coat then Flame Control Exterior Guard Topcoat or an equivalent good quality exterior topcoat must be used to protect from sunlight and weather.

PERFORMANCE INFORMATION:

- Class "A" fire rated.
- Complies with federal, provincial, local building and fire code requirements.
- Dries by water evaporation to a tough, flexible, matte finish.
- Does not leach (lose fire retardancy) on exposure to high humidity.
- Meets all present VOC and environmental/ecological regulations.

CHARACTERISTICS:

Finish Flat, 5 units max. @ 60°

Color White, Black

Tinting . . Can be tinted up to 2 fl. oz. of Universal Tint. Check colorant for compatibility.

Spreading Rate 150 sq. ft./gal. (3.8 m²/L)
applied in one or two coats
10.4 mils wet, 4.8 mils dry

V.O.C. 0.38 lbs./gal. (45 g/L)

Volume Solids 46% ± 2

Weight Solids 59% ± 2

Drying Time @ 77°F & 50% RH: . . To touch 30 min.
To handle 1-2 hours
To recoat 2 to 4 hours

Type of Cure Coalescence

Flash Point None
(Pensky-Martens Closed Cup)

Reducer/Cleaner Water

Shelf Life 24 months (unopened)

Packaging 1 & 5 gal. containers
weight/gal. 10.9 ± 0.2 lbs.

Shipping weight 4 gals - 45 lbs.
8 gals - 55 lbs.

Application Brush, roller,
conventional and airless spray

PRECAUTIONS:

Adequate ventilation must be provided during and after application until the coating has dried. Avoid breathing vapors 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.

NEW SURFACES:

New wood, fiberboard, and other surfaces having uneven or excess porosity, should be primed with a good quality exterior wood primer and allowed to completely dry before applying Exterior Guard Basecoat. New ferrous metal surfaces must be primed with a universal metal primer and allow to completely cure before applying Exterior Guard Basecoat. **Note:** Exterior Guard Basecoat will not give a fire resistance rating on metal surfaces. For best results, a primer should be used on all new surface applications.

PREVIOUSLY COATED SURFACES:

Exterior Guard Basecoat may be applied directly to existing coatings that are 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 applying Exterior Guard Basecoat.



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APPLICATION:

Mix paint thoroughly by boxing or stirring. Use full bodied coat for most applications; where thinning is necessary, use only water, not in excess of 1/2 pint per gallon. Exterior Guard Basecoat can be applied by brush, roller, conventional or airless spray. Suggested coverage rate is 155 sq. ft./U.S. gallon (3.8 m²/L) applied in one or two coats. 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 temperatures are below 50°F (10°C). Protect from freezing.

APPLICATION EQUIPMENT:

Airless Spray

- Fluid Pressure. 2500 psi
- Strainer 80 Mesh
- Fluid Hose 1/4" diameter
- Tip.021 - .026
- Reduction Up to 7%

FIRE HAZARD 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 INC. AND UNDERWRITERS' LABORATORIES OF CANADA fire hazard classification.

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO DOUGLAS FIR)	
	Flame Spread	Smoke Developed
PRIMER – None BASE COAT – EGB (20-20A) applied in one or two coats at 155 sq. ft./U.S. gal. (3.8 m ² /L) TOP COAT - None	5	40

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

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO OSB – Oriented Strand Board)	
	Flame Spread	Smoke Developed
PRIMER – None BASE COAT – EGB (20-20A) applied in one or two coats at 160 sq. ft./U.S. gal. (3.8 m ² /L) TOP COAT - None	25	35

30 MINUTE FIRE TEST

COATING (SYSTEM) DETAILS	CLASSIFICATION OR RATING (WHEN APPLIED TO DOUGLAS FIR PLYWOOD)	
	Flame Spread	Smoke Developed
PRIMER – None BASE COAT – EGB (20-20A) applied in two coats at 200 sq. ft./U.S. gal. (4.9 m ² /L) TOP COAT - None	(*) 0	(*) 35

(*) The test was conducted for a total time period of 30 minutes. There was no evidence of significant progressive combustion at the 30 minute period.

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