

DESCRIPTION

SafeCoat® Exterior is a single-component, waterborne intumescent fire-retardant coating with enhanced weathering properties. **SafeCoat® Exterior** is suited for exterior applications on cellulosic substrates including Spruce/Pine/Fir (SPF) Plywood, Oriented Strand Board (OSB), and dimensional lumber where low smoke and flame spread are required. It limits flame spread by expanding to many times the original dry film thickness when exposed to heat. This expanded material forms a char which insulates the substrate against heat and reduces available oxygen to the surface. **SafeCoat® Exterior** provides a flame spread of less than 25 on wood and can be tinted (light colors only) with standard latex or universal colorants. Do not exceed 26 mL of tint per liter (3.32 oz./gallon).

FEATURES

- **Intumescent:** In the event of a fire the coating will swell and form a protective insulating char
- **Durable:** Maintains adhesion and performance in exterior environments
- **Non-toxic:** contains no asbestos or harmful ingredients with low VOC
- **Cost-effective:** applied at 75 ft. 2 /USG
- **Versatile application:** brush, roller or spray

PROPERTIES

Finish	Flat Finish
Color	Light Grey
Specific Gravity	11.0 lbs/US Gallon (1.32 g/mL)
Solids by Weight	61.5
Solids by Volume	50%
VOC	10 g/K
Dry Time	Touch: 1 hour* Full cure: 7 days*
Film Thickness	Wet: 21 mils (75sq. ft./gallon) Dry: 10.5 mils

* 40% RH, 21°C; dry time vary on thickness, temperature, and humidity

Test results for **SafeCoat® Exterior** on ½" plywood applied at 75 sq. ft./gallon:

Test Standard	Flame Spread Rating	Smoke Development Classification
CAN/ULC S102	10	70
ASTM E84	10	100

Shipping	KEEP FROM FREEZING
Storage	Above 50° F, 10°C
Shelf life	12 months
Packaging	One-gallon cans or five-gallon pails

APPLICATION REQUIREMENTS

Mixing

- Thoroughly mix prior to use
- Mechanically mix using a standard shielded drywall mixing paddle, Jiffy style mixer, or ½" electric drill with a slotted paddle mixer, single gallons can be mixed with a stir stick.

Spray Equipment

- Graco 495 airless sprayer or equivalent recommended
- Hose diameter 3/8" (10 mm) minimum
- High pressure reversible tip 0.035"
- Filters: remove all filters from guns and pumps

Environment

- Prepare surface by removing loose paint, dirt, dust, grease, oil, wax and other foreign material
- Minimum ambient temperature of 10°C (50°F) and rising; maintained during and 48 hours after application
- Maximum relative humidity of 85%; high humidity will increase drying times and may promote sagging
- Substrate temperature 2°C (4°F) above the dew point
- Maximum environment and substrate temperature of 38°C (100°F)
- **SafeCoat® Exterior** must be protected from weather exposure and freeze-thaw until full cure

Clean Up

All application equipment can be cleaned with water to flush and remove liquid product. If product has dried, use soapy water or solvent such as isopropyl alcohol or methyl ethyl ketone to remove it.