

DESCRIPTION

SafeCoat® Latex Intumescent Coating is a single-component latex, intumescent fire retardant coating suited for interior applications on various combustible substrates including SPF Plywood (Spruce/Pine/Fir), Oriented Strand Board (OSB), wood trusses and rough stud construction, where Flame Spread Ratings of 25 or less ("Class A" or Class 1) and low Smoke Developed Ratings 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. It provides a "**Class A**" Flame Spread rating of 25 or less as tested under **ASTM E84** and **CAN/ULC S102** standards. **SafeCoat® Latex** is certified with UL/ULC listings for this rating.

USES

- Imparts a Class A Flame Spread Rating to dimensional lumber, plywood and Oriented Strand Board (OSB)
- Replaces sprinklers in combustible concealed spaces, under NFPA-13
- Can be applied as a mandatory upgrade to assist owners and property managers to meet the latest fire and building code requirements or as a voluntary upgrade to lower fire risks
- Used in lieu of drywall for Class A Flame Spread on plywood and OSB, providing greater strength and resilience than drywall

FEATURES

- **Non-toxic:** contains no asbestos, harmful ingredients, halogens or solvents and has low VOCs
- **Cost-effective:** applied at 150 ft²/USG, to achieve a "Class A" flame spread rating
- **Fire-resistant:** will not burn in liquid or solid state.
- Under fire conditions, it forms a char, preventing the spread of flames, and slowing the penetration of heat through the substrate
- Has excellent **adhesion** and **durability**
- **Tintable:** use a latex based "universal tint"
- **User-Friendly:** can be spray, brush, or roller applied

PROPERTIES

Coating Type	Latex
Finish	White, flat finish
Color	Standard: White Special Order: Black
Tinting	May be tinted (light colors only) Use standard latex or universal colorants. Do not exceed 26 mL of tint per liter of SafeCoat® Latex .
Specific Gravity	10.9 lbs/US Gallon or 1.30 g/mL
Solids by Weight	58%
Solids by Volume	47%
VOC	25 g/l or 0.2 lbs/USG
Dry Time	Touch: 30 min. to 1 hour (varies with temperature and humidity) Recoat: 1 to 2 hours Full cure: 48 hours
Film Thickness	Wood Wet: 10.7 mils (150 sq.ft./gallon) Dry: 5.0 mils Foam NOT a Thermal Barrier Wet: 21 mils (80 sq.ft./gallon) Dry: 10 mils (For foam, Ignition Barrier only. OSB or plywood over foam is used when a thermal barrier is required by code.)
Flash Point	No Flash
Storage Limits	Keep from freezing (above 50° F, 10°C required)
Shelf Life	24 months
Packaging	Available in one, five, 55 and 275 US gallon quantities