



EAGLE
SPECIALIZED
COATINGS
AND
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ENVIRONMENTS

A Division of DW Pearce Enterprises Ltd . (1979)

SafeCoat® Clear Fire Retardant Coating

DESCRIPTION

SafeCoat Clear Fire Retardant Coating is a two-component, VOC free, intumescent clear varnish designed for application to wood surfaces where a Flame Spread Rating of 25 or less (Class A) is required. Flame Spread Rating on SafeCoat Clear is 25 and limits the spread of flame by expanding to many times its original thickness when exposed to heat. The expanded char insulates the wood from heat and reduces the oxygen available to the wood surface.

SafeCoat Clear is suitable for interior and exterior applications requiring a Flame Spread Rating of 25 when tested in accordance with the CAN/ULC S-102, and a Flame Spread Rating of 15 (Class A) when tested to the ASTM E-84-09.

SafeCoat Clear dries to a satin finish. An optional matte finish can be achieved with the addition of SafeCoat Clear Reducer .

FEATURES

- industrial, commercial, or residential interior and exterior wood where fire protection is required, while maintaining the beauty of natural wood
- meets FSR for a wide range of applications
- limits property loss in the event of fire
- labour saving - single coat application
- high solids - 0 VOC formula complies with LEED™
- easily applied by brush, roller or airless sprayer.

STORAGE

Store in a cool and dry place for product integrity Store in tightly sealed containers to protect from moisture and foreign materials. Moisture contamination will result in significant reduction in pot-life.

AVAILABILITY

SafeCoat Clear is packaged in 3 gallon kits (2 gallons of Resin and 1 gallon of Iso) and 15 gallon kits (2 pails of Resin and 1 pail of Iso). SafeCoat Clear Reducer is packaged in single gallon cans and 5 gallon pails.

PRODUCT SAFETY

An MSDS is available

*Approximate values only . Should not be considered specifications. This data sheet is intended for general information only .
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PROPERTIES

	Resin	Iso
Appearance:	Cream color liquid	Clear liquid
Specific Gravity:	1.492	1.199
Viscosity:	21,000 cPs	112 cPs
Solids by Weight:	95%	93%
Solids by Volume :	91%	91%
VOC Level:	Zero	Zero
Shelf Life:	12 months	12 months
Mixed Properties:		
Viscosity:	580 cPs	
Pot Life:	3 hours	
Coverage:	200 sq. ft. ² /gal	1 8.58 m ² /gal
Film Thickness:	Wet: 8.9 mil	Dry: 8.0 mil

The cure mechanism of SafeCoat Clear requires the presence of atmospheric humidity . The values listed below are based on room temperature and relative humidity of ~70%. In dry conditions or when a faster cure time is required, a catalyst/accelerator is available.
Dry Time: Touch: 2-3 hours; Recoat: 2-3 hours;
Tack Free: 8 hours; Full Cure: 72 hours

APPLICATION INSTRUCTIONS

Prior to application, proper surface preparation is required. Surface must be clean, dry , and in sound condition. Remove all oil, dust, grease, loose particles and rust. Apply at 8.9 mils wet film thickness per coat.
Mixing: This is a two-component, 2:1 system. First, mix SafeCoat Clear Resin thoroughly before use. Combine two parts Resin and one part ISO by volume. Use care when mixing to avoid incorporation of air. This process in total should take no more than 1-1/2 minutes. Mix only the volume used within the pot-life. To adjust application viscosity , use SafeCoat Clear Reducer at up to 20% by volume on mixed material.

OTHER

The purchaser of this product must rely on his own judgement in determining suitability for his purpose, and in applying directions as to handling and use. Quantum and Eagle Specialized Coatings makes no warranty expressed or implied, except that if this product proves on inspection to be defective.

Quantum will replace it or refund the purchase price. Labour costs and other consequential damages are hereby excluded. No representative or purported agent of Quantum has the authority to change this warranty .

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