

FIRE PROTECTION COATING GEN II

DESCRIPTION

Hubbell's Fire Protection Coating GEN II is a single component latex, intumescent fire retardant coating suited for fire protection on utility poles, protecting against fires that would typically damage or topple a pole. In a fire, **Fire Protection Coating GEN II** expands to many times its original dry film thickness when exposed to heat. This expanded char insulates the underlying wood substrate against heat, and provides a Class A Flame Spread and Smoke Developed rating. **Fire Protection Coating** is used as a preventative measure against periodic brush fires, prior to a controlled burn, or in advance of an oncoming fire, to save poles and prevent power outages.

This coating was developed from the **SafeCoat®** fire retardants which have been used in commercial, residential and industrial applications since 1995 and on utility poles in North America since the early 2000s. The new, more robust **Fire Protection Coating GEN II** is an advanced formulation with enhanced weathering properties and low VOCs. With higher solids, it provides greater coverage while using 15% less product which is a substantial benefit for applicators working in isolated locations.

FEATURES

- **Non-toxic:** contains no asbestos, harmful ingredients, . Very low VOCs.
- **Fire-resistant:** will not burn in liquid or solid state.
- **Easy to use:** may be spray, brush, or roller applied.
- **Longevity:** properly applied and maintained, it provides protection for many years, decreasing the expense of costly pole replacement.
- **Camouflage:** Tan colour blends into background.
- **Intumescent:** In the event of a fire, intumescent char prevents fire from penetrating the pole, protecting pole integrity and structure. (See below)



PROPERTIES

Coating Type	Latex
Finish	Flat finish
Color	Tan
Specific Gravity	11.71 lbs/US Gallon or 1.403 g/mL
Solids by Weight	67.2
Solids by Volume	55.2
VOC	10.5 g/L
Dry Time	Touch: ~260 minutes (varies with temperature and humidity)* Recoat: 300 minutes* Full cure: 7 days*
Film Thickness	Wet: 35 mils (45 sq.ft./gallon) Dry: 19 mils
Perm	5 perm
Flash Point	No Flash
Storage Limits	Keep from freezing (>50° F/10°C - <86° F/30°C required)
Shelf Life	6 months
Packaging	Available in five-gallon pails

* 25 mil WFT, 40% RH, 21°C; dry times will vary based on thickness, temperature, and humidity

APPLICATION INSTRUCTIONS

The **Fire Protection Coating GEN II** is applied by trained applicators. Contact Hubbell for contact information on applicators in your area.

The **Fire Protection Coating GEN II** is ready to use and contents cannot be altered as dilution will adversely affect the fire resistance. Surface and ambient temperature must be maintained at greater than 50° F (10°C) during application and must remain so for at least 48 hours following application.

Applicators of **Fire Protection Coating GEN II** will be equipped with all the required equipment to apply the product.

Vegetation, up to a three-foot width around each pole, will be removed. Dirt, 1-2" below the ground line, will be removed, to ensure pole is coated to the ground line. In accordance with good painting practices, the pole will be cleaned of loose debris, peeling paint, dirt, etc.

The **Fire Protection Coating GEN II** will typically be applied from the pole's ground line to a height of 6-10 feet depending on the height, proximity and density of other combustibles in the area such as trees, brush, grass, etc. Once the pole is coated with the correct mil thickness and dry, the removed dirt will be back-filled and touch-ups of the product will be done of any areas that may have been damaged.