FireGuard™

Fire Protective Coating for Timber Utility Poles

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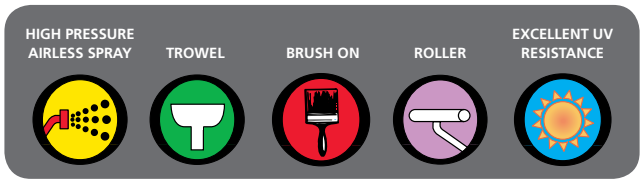
FireGuard® coated poles have with stood up to two or three bur

FireGuard™ is a water-based, heavy duty coating designed to help protect timber utility poles from fire damage.

It is often applied by airless spray unit, however roller, brush or trowel can also be used.

Based upon controlled tests, FireGuard coated poles have withstood up to two or three burn incidents with a high intensity flame duration of 4 to 5 minutes each.



NON HAZARDOUS MATERIALS

FireGuard does not contain solvents, plasticizers, asbestos or any type of hazardous inorganic fiber.

LONG LASTING

Many fire retardants breakdown when exposed to outdoor conditions.

FireGuard is not appreciably affected by climatic conditions and can be expected to provide many years of protection. This coating has shown excellent UV resistance after 10 years of outdoor exposure in Southern Florida and has been used in Australia since 2007.

APPLICATION and CLEAN UP

Typically a 1.5mm coating is applied. When the potential exists for extensive duration of flame contact, a 3mm coating is recommended. Clean up is easy with soap and water.

Treated Eucalypt or pine pole, protected with FireGuard after a second burning trial.

Treated Eucalypt or pine poles 20 hours after first burning trial.

PRODUCT SPECIFICATIONS

Koppers Performance Chemicals FireGuard coating has excellent flame resistance. The latex based formula contains 73% solids and helps protect wood poles from damage when exposed to fires.

The coating is applied to the pole much like a paint using a special high pressure air less sprayer. A minimum coating of 1.5mm (dry) is required. Where the potential exists for extensive duration of flame contact, a 3mm coating is recommended. The coating should extend at least 1m above groundline or surrounding plant growth.

FireGuard can withstand many years of outdoor weathering.

SUGGESTED USES

To help protect poles from fire damage in:

- Pasture lands.
- Crop lands.
- Wherever controlled burning takes place.
- Brush fire hazard areas on both transmission and distribution lines.

BENEFITS

- Helps provide fire protection for all species and treatments of timber utility poles.
- Helps reduce annual cost for brush control and pole repairs.
- Safe to apply.
- Clean up with soap and water.

Material Safety Data Sheets and labels are available upon request.

APPLICATION PROCEDURE

- FireGuard can be applied in-situ or before installation.
- Remove growth from base of pole.
- If desired, apply edging paper at height required.
- Large checks should be filled with FireGuard.
- FireGuard must be applied to a dry surface. Do not apply to poles that are moist due to rain or condensation.
- FireGuard must be applied to a clean surface. Excess pole treatment, dirt, debris and/or equipment (ie ground wire) should be removed before material is applied.
  Do not apply to poles that exhibit heavy bleeding of petroleum-based preservative, eg: creosote.
- FireGuard must not be applied during extreme hot or cold temperatures. Recommended ambient temperature for application is 10˚c to 30˚c.

WHEN SPRAYING

- Prepare spraying equipment and place pump intake into FireGuard drum. Do not thin FireGuard; use the material as supplied.
- Spray evenly to thickness required.
- Remove edging paper if used and allow 24 hours for full drying.
- Clean pump and gun by spraying a minimum of 20L of water through the system.The gun should be disassembled and cleaned by hand.

n incidents with a high intensity flame duration of 4 to 5 minutes.

TECHNICAL DATA

PACKAGING

- 200L
- Available in 'Pinus Green' suitable for spray, roller, brush and trowel.

HANDLING and STORAGE PRECAUTIONS

- Avoid high heat and open flames.
- Recommended storage temperature is between 0°C and 37.8°C (32°F - 100°F).
- Shelf life is 1 year.

OTHER PRECAUTIONS

- Store in cool dry area.
- Protect containers from physical damage.
- Keep from freezing.
- Keep dry.
- In the event of accidental release:
  - Solid material.
    - Pick up and dispose of in trash.
  - Waste Disposal.
    - Dispose of in trash.
    - Always dispose in accordance with Federal, State and local laws.

PROTECTIVE GLOVES

Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

EYE PROTECTION

Wear goggles to prevent exposure to high vapor or mist concentrations.

Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing.

PERSONAL PROTECTION

Please refer to the label and MSDS (Material Safety Data Sheets) for Information.

Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before re-use.

Disposable tyvek suits may be used during spraying applications.

AKNOWLEDGMENT

Koppers Performance Chemicals would like to thank Western Poles Co. for the use of images displayed in this brochure.

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