

RECOMMENDATIONS FOR ROLLING PERMASAFE POLE COATING IN THE FIELD

1. Carefully review the complete technical document “**Permasafe Pole Procedures for Field Preparation and Application**” for proper preparation and coating technique (attached below).
2. **TEMPERATURE LIMITATIONS:** Do not apply Permasafe unless both the pole surface temperature and the ambient temperature are at least 55F at the time of application and for at least two hours after application. Colder temperatures may result in “blushing” (a surface discoloration of the epoxy) or improper curing.
3. **Premix if using a two-gallon kit:** Prior to mixing together part A and B, stir each can (Part A and Part B) with separate stir sticks. Do not use the same stirrer to premix. If the same stir stick is used, the epoxy will start to activate before it can be properly mixed.
4. **MIXING:** Permasafe is a 1:1 ratio. Part A should be mixed in equal part to Part B. Mixing in smaller batches may be advisable in the field since it will allow for more working time when coating poles (for instance, mix one gallon total instead of the complete two gallon kit).
5. **Permasafe Pole has a short pot life and should be used within 15 minutes of mixing.** If applying with a roller, pour the mixed Permasafe into a flat roller pan. **Roller**—Use a high quality, ½” synthetic cover with a solvent resistant core. Additional coats may be required to achieve desired film thickness. **Brush**—Use natural bristle brush. Additional coats may be required to achieve desired film thickness.

PROCEDURES FOR FIELD SURFACE PREPARATION AND APPLICATION OF PERMSAFE POLE CERAMIC EPOXY

Procedures for Preparing and Coating Ductile Iron Poles with Permasafe Pole Ceramic Epoxy.

1. Remove burrs caused by handling damage and smooth out the edge of the coating if rough.
2. Remove all traces of oil, grease, dust, dirt, chalking, etc.
3. Remove any damaged coating caused by handling, and clean any exposed metal by sanding or scraping, sandblasting or power tool cleaning roughening is also acceptable. It is recommended that any loose coating be removed by chiseling, cutting, or scraping into well-adhered coated area before patching. Be sure to overlap at least 1" of coating in the area to be repaired.
4. After the area to be coated is cleaned and suitably roughened, apply a coat of Permasafe Pole Ceramic Epoxy using the following procedure:
 - a. Mixing Procedure — Permasafe Pole Coating is a two-component ceramic epoxy consisting of two cans labeled Part A Base and Part B Activator. Add the contents of Part B Activator and contents of Part A Base into a mixing bucket. Immediately mix thoroughly. Mixed material must be used within 15 minutes of mixing. For smaller quantities, mix components at a 1:1 blend ratio.
 - b. Application of Material — After the material has been thoroughly mixed, it can be applied to the prepared surface by brush or roller. Please see the following technical data for parameters related to applying Permasafe Pole.

PERMASAFE POLE CERAMIC EPOXY TECHNICAL DATA

DESCRIPTION:

A protective ductile iron pole coating incorporating ceramic pigment and amine cured epoxy for maximum protection of the ductile iron pole substrate.

USE:

This product is excellent for protection of the ductile iron pole substrate in buried service, aggressive atmospheres and for immersion in fresh and salt water.

SURFACE PREPARATION:

The surface preparation shall be equal to the specifications for the project or as outlined in the touch-up procedure.

DRY FILM THICKNESS:

This product may be applied at a film thickness of 20-25 mils dry for protection of ductile iron pole substrates.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is above 55°F and is expected not to drop below 55° for at least two hours after application. Also, the substrate temperature must be 5°F above the dew point for a period of at least two hours after application to avoid condensation occurring on wet paint. Do not apply Permasafe Pole Ceramic Epoxy over wet or frozen surfaces.

DRY TIME:

To handle: 3 hours at 80°F.

PHYSICAL DATA:

Volume Solids: 100% (Mixed)