

REPAIR PROCEDURES FOR FIELD SURFACE PREPARATION AND APPLICATION OF CERAMAWRAP™ CERAMIC EPOXY

Procedures for preparing and coating ductile iron with Ceramawrap Ceramic Epoxy:

1. **PLEASE MAKE SURE THE SUBSTRATE IS ABOVE 55F PRIOR TO APPLICATION.**
2. 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 Ceramawrap Ceramic Epoxy using the following procedure:
 - a. **Mixing Procedure** — Ceramawrap is a two-component 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. **CERAMAWRAP SHOULD BE AT LEAST 70F WHEN MIXED FOR BEST RESULTS.**
 - 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 Ceramawrap.

CERAMAWRAP CERAMIC EPOXY TECHNICAL DATA

DESCRIPTION:

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

USE:

This product is excellent for protection of the ductile iron substrate in wastewater wet wells, 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 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 dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint. Do not apply Ceramawrap Ceramic Epoxy over wet or frozen surfaces.

DRY TIME:

To handle: 3 hours at 80°F.

PHYSICAL DATA:

Volume Solids: 100% (Mixed)

Manufactured Under U. S. Patent No. 4171228