PRODUCT DESCRIPTION

ZINC CLAD® II (85) is a solvent-based two-package, inorganic ethyl silicate, zinc-rich coating.

• 85% zinc content in dry film
• Coating self-heals to resume protection if damaged
• Provides cathodic/sacrificial

INTENDED USES

• For use over properly prepared blasted steel
• As a one-coat maintenance coating or as a permanent primer for severely corrosive environments (pH range 5-9)
• Economical replacement for galvanizing with similar performance
• Ideal for application at low temperatures or service at high temperatures and/or humidity conditions
• Where abrasion resistance and hardness is required
• Not recommended for severe acid or alkali exposure

PRODUCT DATA

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Zinc rich coatings require direct contact between the zinc pigment in the coating and the metal substrate for optimum performance.

Minimum recommended surface preparation:

Immersion: SSPC-SP10 / NACE 2 / ISO8501-1:2007 Sa 2.5, 2 mil (50 micron) profile
## APPLICATION CONDITIONS

### Temperature:
- Air and surface: 0°F (-17°C) minimum, 120°F (49°C) maximum
- Material: 40°F (4.5°C) minimum, at least 5°F (2.8°C) above dew point
- Relative humidity: 40%-90% maximum
- Water misting may be required at humidity below 50%

### APPROVALS
- Meets AASHTO M-300 specification
- Meets Class B requirements for Slip Coefficient and Creep Resistance, .56
- This product meets specific design requirements for non-safety related nuclear plant applications in Level II, III and Balance of Plant, and DOE nuclear facilities*

* Nuclear qualifications are NRC license specific to the facility

### ADDITIONAL NOTES

**Mixing Instructions:** Thoroughly agitate Binder Part E using low speed continuous air driven agitation. Slowly mix all of Zinc Dust Part F into all of Binder Part E until mixture is completely uniform. After mixing, pour mixture through 30-60 mesh screen. Mixed material must be used within 8 hours. Do not mix previously mixed material with new. If reducer solvent is used, add only after both components have been thoroughly mixed. Continuous agitation of mixture during application is required, otherwise zinc dust will quickly settle out.

- Do not tint.
- Excessive film build, poor ventilation, and cool temperatures may cause solvent entrapment and premature coating failure.
- Any salting on the zinc surface due to weathering exposure must be removed prior to topcoating.
- An intermediate coat is recommended to provide uniform appearance of the topcoat.
- Oil base, alkyd, epoxy ester, and silicone alkyd topcoats are not recommended.
- Topcoats may be applied once 50 MEK double rubs are achieved. No zinc or only slight traces should be visible. Coin hardness test can also be used.

## HEALTH AND SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

## DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.