

TECHNICAL DATA SHEET

MS-50

HIGH PERFORMANCE PAD EYE PAINT

Description

MS-50 is a two-part epoxy paint formulated to meet the extreme demands placed on deck coatings in marine and industrial environments. This heavy-duty paint forms a tough abrasion resistant film that protects the substrate from salt and chemical attack.

MS-50 provides excellent anti-corrosive protection using the latest technology in lead and chromate free, rust inhibitive pigments. **MS-50** can be applied over marginally prepared surfaces or over primed surfaces to provide a tough, durable topcoat.

Surface Preparation

MS-50 can be applied to any clean, dry surface. All rust, mill scale, paint, dirt, grease, oil, etc. must be completely removed. Recommended methods of cleaning steel surfaces are as follows:

- a. Grit blasting to SA 2.5 (near white metal) or SSPC-SP10 is the preferred method of cleaning and results in the best surface for adhesion.
- b. Where grit-blasting is not feasible, power tool cleaning utilizing power sanders fitted with #16 grit aluminum oxide sanding discs can produce a sufficiently clean surface provided cleaning is carefully and intensively done.
- c. If there is oil or grease on the surface, it must be removed prior to cleaning. The preferred method is to scrub with a strong detergent and flush area thoroughly while still wet. An alternative method is to remove the grease or oil with a solvent such as xylene. Solvents are flammable and must be handled with care. It is important that the solvent not be allowed to evaporate during the cleaning process and redeposit grease or oil on the deck.

MS-7C, **MS-7CZ**, or **MS-10C** Primer must be applied on steel surfaces immediately after the surface had been cleaned and before rust or oxidation has had a chance to form or surface becomes dirty or contaminated in any way.

Application

MS-50 can be applied over a primer.

1. **MS-50** is a two-part coating consisting of a base material (Part A) and a hardener (Part B).
2. Pre-mix base component. Make sure all settlement is lifted off the bottom of

Specifications

V.O.C.

- 2.3 lbs. per gal.
(276 grams/liter)

Volume Solids (%)

- 70%

Pot Life

- 6 hours @ 70°F (21°C)

Hard Dry

- 12 hours @70°F (21°C)

Estimated Coverage

- 185 sq. ft. per gal.
(6 mils DFT)

Weight per Gallon

- 11.6 lbs. per gal.
(1.39 kg./liter)

Flash Point

- 102°F (39°C)-CC

Packaging

- 1 gallon kits

Standard Color

- Dark Gray (36076)

the container and is uniformly dispersed in the material.

3. Pour entire contents of hardener can into base material. Mix hardener and base material with a mechanical mixer for approximately 3-5 minutes or until mixed material assumes a uniform color and appearance. Material can be immediately applied since induction time is not required.

4. Working pot life is approximately 6 hours at 70°F. Pot life is increased at lower temperatures and decreased at higher temperatures.

5. **MS-50** can be applied at ambient temperatures between 40°F and 90°F. At below 50°F surface temperature, curing time will increase substantially. Application when surface temperature is above 130°F or below 50°F is not recommended. Avoid application during periods of high humidity.

6. **MS-50** can be applied by roller, brush or spray equipment.

Application Techniques

A. Roller application

Use a short nap mohair paint type roller. Apply uniformly.

B. Brush application

Use a 4" wide thin stock brush.

C. Spray application

Airless, air assisted or conventional paint spray equipment can be used.

Clean tools and spray equipment immediately after use with an epoxy solvent such as xylene.

CAUTION

Read Material Safety Data Sheet before using this material.

Contains epoxy resins. Catalyst contains Amines. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic material. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. Discard contaminated shoes. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.

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