

TECHNICAL DATA SHEET

MS-200

MIL-PRF-24667B LOW V.O.C.

ACRYLIC EPOXY COLOR TOPPING

Description

- MS-200 is a two part Acrylic Epoxy coating formulated to meet the extreme demands placed on coatings in marine and industrial environments. Durable and tough epoxy resins combine with acrylic polymers to make a high performance coating which will hold its color and gloss.
- Excellent appearance. Can be applied over a wide range of primers and topcoats. Provides outstanding recoatability.
- Provides maximum adhesion, toughness, wear resistance and excels in exterior weatherability.
- Offered in a wide range of signal and safety colors.

Recommended Uses

- MS-200 is qualified as a flight deck color topping for use by the United States Navy in conjunction with ITW American Safety Technologies MIL-PRF-24667A/B approved non-skid & primer products.
- Marking Visual Landing Aids on air capable ships.
- Helicopter landing pads.
- Tank farms.
- Industrial facilities.
- Areas exposed to jet fuel, chemical spills and fumes, and other primed surfaces not expected to receive non-skid.

Surface Preparation

MS-200 can be applied to any clean, dry surface, free of loose materials. Remove oil, grease, dirt and other foreign matter by cleaning in a water-based cleaner/degreaser or a cleaning solvent, then thoroughly flush with water and allow to dry.

Refer to the MS-200 ASTM-F718 for detailed environmental limitations, surface preparation, mixing, and application instructions. Documents are available at: WWW.ITWAST.COM

Specifications

V.O.C.

- 3.4 lbs. per gal.
(415 grams/liter)

Volume Solids (%)

- 50% by volume
- 67% by weight

Pot Life

- 8 hours @ 70°F (21°C)

Hard Dry

- 12 hours @70°F (21°C)

Cure Time

- 2 days @70°F (21°C)

Estimated Coverage

- 320 sq. ft./gal. @5 WFT

Weight per Gallon

- 10.3 lbs. per gal.
(1.2 kg./liter)

Flash Point

- 102°F (39°C)-CC

Packaging

- 1 gallon kits
- 5 gallon kits

Fed Standard Colors

- Dark Gray (36076)
- Yellow (33538)
- Red (31136)
- White (37875)
- Green (14062)

Mixing

MS-200 is a two part coating consisting of a base material (Part A) and a hardener (Part B). Pre mix base component until uniform.

Pour entire contents of hardener can into base material. Mix hardener and base with a mechanical mixer for approximately 3-5 minutes or until material assumes a uniform color and appearance.

For best results allow 30 minutes induction time before applying.

Application

Roller Application

Use a short nap mohair roller. Apply uniformly.

Brush Application

Use a 4" wide thin stock brush.

Spray Application

Conventional, air spray, or airless spray equipment can be used.

For spray applications, use a Graco #800 gun with a fluid tip of .070. Keep fluid pressure low, about 15 PSI. Excessive pressure can cause overspray problems.

For airless applications, a Graco 30:1 Bulldog or 35:1 Senator is recommended. Tip sizes from .017 to .019 will provide a good spray pattern. Fluid hoses should be less than 3/8" ID with a maximum of 50 feet, not including short 1/4" ID whip hoses. Larger diameter hoses should be used with larger fluid lines. Long fluid lines with narrow ID fluid hoses will reduce fluid pressure at the gun, causing a poor spray pattern.

Clean tools and spray equipment immediately after completing installation using an epoxy solvent such as S-31 Cleaner/Thinner or xylene.

Surface Maintenance

To maintain a clean surface we recommend periodic cleaning with an all purpose, biodegradable cleaner/degreaser. Scrub surface with a long-handled, fiber bristled brush or floor machine. Rinse with clean water and dry. Foreign matter such as chewing gum, should be removed with a scraper or putty knife and then cleaned as above.

Precautions: See the material safety data sheets and product label for complete safety and precaution requirements

CAUTION

Read Material Safety Data Sheet before using this material. Contains Solvent. 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.

The user of this product is responsible for making its own evaluation and tests regarding the capabilities, safety, utility, suitability and application of the product, and assumes all risks and liabilities resulting from the use or application of the product, whether used alone or with other products. ITW American Safety Technologies. (herein referenced to as the COMPANY) warrants only that the product conforms to the specifications contained in product Technical Data Sheets published by the COMPANY, a copy of which is available to the user. If the product fails to conform to this warranty, the user shall return the product within 10 days of the purchase date with a note specifying the defect and the COMPANY will either replace the product or at its option, return the purchase price. EXCEPT AS EXPRESSLY PROVIDED IN THIS PARAGRAPH, THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND HEREBY DISCLAIMS THE SAME. In no event shall the COMPANY be liable to the user of this product, whether in contract or in tort or under any other legal theory (including, without limitation, negligence), for damages which exceed the purchase price of the product, or for any indirect, incidental, consequential or similar damages, arising out of sale, use or application of the product, or for any claim made against the user by any other party, even if ITW American Safety Technologies Inc. has been advised of the possibility of such claim.

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