



TECHNICAL DATA SHEET – MS-200

Revised:4/2018

PRODUCT 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 resin combine with acrylic polymers to make a high-performance coating which will hold its color and gloss longer.

MS-200 has excellent appearance and can be applied over a wide range of primers and top coats. It provides outstanding recoatability. It provides maximum adhesion, toughness, wear resistance and excels in exterior weatherability. It is 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 American Safety Technologies MIL-PRF-24667 approved non-skid & primer products. Typical areas of application include:

- Marking Visual Landing Aids on air capable ships
- Helicopter landing pads
- Tank Farms
- Industrial facilities
- Area 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 with a water-based cleaner/ degreaser or a cleaning solvent, then thoroughly flush with water and allow drying.

Refer to the **MS-200** ASTM F718 for detailed environmental limitations, surface preparation, mixing, and application instructions.

MIXING AND APPLICATION

MS-200 is a two part coating consisting of a base material (Part A) and a hardener (Part B). Pre-mix base component with a mechanical drill using a jiffy blade for a minimum of 1 minute until uniform.

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

For best results allow 30 minutes of induction time before applying

Application Techniques:

Roller – Use a short nap mohair roller, apply uniformly

Brush – Use a 4" wide thin stock brush

Spray – Conventional, air spray, or airless spray equipment can be used. For spray applications, use Graco #800 gun with a fluid tip of 0.70. Keep fluid pressure low, about 15 PSI. Excessive pressure can cause overspray problems.

MS-200

ACRYLIC EPOXY COLOR TOPPING
LOW V.O.C.
MIL-PRF-24667C

For Airless applications, a Graco 30:1 Bulldog or 35:1 Senator is recommended. Tip sizes from 0.17 to 0.19 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 or water.

PRODUCT SPECIFICATIONS

V.O.C	White: 3.4 lbs per gallon (415 grams/ liter) Other colors: 3.3 lbs per gallon (395 grams/liter)
VOLUME SOLIDS	White: 54% by volume Other colors: 56% by volume
POT LIFE	8 Hrs @ 70°F (21°C) @ 50% RH (Constant)
DRY TIME	To touch/ Recoat – 12 Hrs @ 70°F (21°C)
ESTIMATE COVERAGE	320 sq. ft. / gal. @ 2.5 mils DFT/ 5 mils WFT
WEIGHT PER GALLON	White: 10.4 ± 0.2 lbs. per gal/ Other colors: 9.25 ± 0.2 lbs. per gal.
FLASH POINT	> 102°F (39°C) mixed
PACKAGING	1 & 5 Gallon kits
COLORS	Dark Gray (36076), Yellow (33538), Red (31136), White (37875), Green (14063)
SHELF LIFE	1 Year (MIL-PRF-24667) Requirement.

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CAUTION: Read Safety Data Sheet before using this material. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Keep from freezing. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. 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. 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 Polymers Sealants North America, Inc. (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 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 Polymers Sealants North America, Inc. has been advised of the possibility of such claim.