



## TECHNICAL DATA SHEET – MS-200

Revised:8/2023

### 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)<br>Other colors: 3.3 lbs per gallon (395 grams/liter) |
| VOLUME SOLIDS     | White: 54% by volume<br>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/<br>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),<br>Red (31136), White (37875), Green (14063)                    |
| SHELF LIFE        | 1 Year (MIL-PRF-24667) Requirement.  |

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