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Technical Bulletin #315 Mi-Glow® WCP

Mi-Glow® WCP is a specially formulated, fast drying white contrast paint, used to create a consistent background on the component surface in a visible magnetic particle inspection. When dry, the white contrast paint is resistant to the wet method baths used for inspection, but is easily removed from the demagnetized component surface with acetone. Mi-Glow® WCP can be used with any of the Mi-Glow® and CircleSafe® visible particle materials.

Properties

Appearance/Package: White liquid contained in an aerosol package or five-gallon bulk container.

Specifications: Meets or exceeds Circle Systems' Quality Control requirements.

Temperature Limits: 32-120°F (0-49°C)

Shelf Life: One (1) year for bulk packaged Mi-Glow® WCP and three (3) years for aerosol packaged Mi-Glow® WCP, when stored in a closed container away from heat (<120°F), sparks, open flames and oxidizers. A Certificate of Shelf Life is available upon request.

Directions for Use

Aerosol

Surfaces should be free from dirt, grease, rust and wax. Apply at room temperature (70°F) for best results. Shake Mi-Glow® WCP for at least one minute to insure color uniformity. Apply a thin coat to the inspection area and wait 30 seconds for the Mi-Glow® WCP to dry before applying magnetic particles to the surface. Spray the magnetic particles over the inspection area, stop spraying and apply two ½-cycle charges. Examine the area for discontinuities.

Bulk

Surfaces should be free from dirt, grease, rust and wax. Apply at room temperature (70°F) for best results. Stir Mi-Glow® WCP thoroughly, with a mixing rod or stirring device to insure color uniformity. Transfer desired quantity to an appropriate applicator, such as a pressure sprayer. Allow 30 seconds after application for the Mi-Glow® WCP to dry before applying magnetic particles to the surface. Spray the magnetic particles over the inspection area, stop spraying and apply two ½-cycle charges. Examine the area for discontinuities.

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