



Technical Data Sheet

FMI 800

Fluorescent Magnetic Ink

FMI 800 is an aerosol spray can containing Flawglo OF 800 fluorescent yellow-green particles. It is designed to detect very fine discontinuities in finished products and critical, highly stressed components. Its ultra-bright, highly sensitive particles provide excellent flaw detection capability.

Appearance:

- Fluorescent yellow green powder suspended in petroleum distillate

Properties:

- Colour: Fluorescent Yellow Green
- Concentration: 1.25 g/litre
- Density : 0.56 g/ml
- Flashpoint : 99°C
- Processing Temperature: 0-49°C
- Particle Size: The typical range of particle sizes is from 2 to 5 µm, with an average particle size of 3 µm.
- Sensitivity: FMI 800 shows a minimum of 8 lines on AISI Ketos tool steel ring (as defined in SAE A^S 5282), set on a 25mm diameter copper bar, magnetized with 2500 A of direct current.

Compliance & Specifications:

- IS 3703:2004
- ISO 9934-2
- AMS 3044
- API RP 5A5
- ASME B&PV
- MIL-STD-271
- MIL-STD-2132
- NAVSEA 250-1500-1
- ASTM E709
- ASTM E3024
- ASTM E1444

Application:

- For best results, use FMI 800 between 21°C and 32°C (70°F to 90°F) on thoroughly cleaned surfaces.
- Shake the can vigorously until the marble rattles, and occasionally during use.
- Spray the solution onto the magnetized surface from 7 to 12 inches (18 to 30 cm) at 45° angle until the surface is thoroughly covered with the solution.
- Examine the surface under black/UV-A light for fluorescent indications.
- If clogging develops, turn the spray button 1/4 turn. If clogging persists, remove and clean the spray button. Do not insert a pin or any other object into the can opening. Now, gently place the spray button with a twisting motion, holding the top of the can and pointing the spray button opening away from you.

Shelf Life:

Recommended to use within 24 months, the product can be used for next 3 years, if it satisfies spraying & performance parameters.

Pack Sizes: Aerosol Can (1box of 10 cans), each can with Net Qty 400 ml

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