



Technical Data Sheet

FMI 800

Fluorescent Magnetic Ink

FMI 800 is an aerosol spray can of FlawGlo OF 800 fluorescent yellow-green particles. It is designed to detect very fine discontinuities found in finished products and critical, highly stressed component parts. Its ultra-bright, ultra-sensitive particles allow for excellent flaw detection.

General Appearance:

- Aspect: Fluorescent Yellow Green powder suspended in petroleum distillate

Specification Compliance:

- ASTM E 1444
- ASTM 3024
- ASTM E 709
- ASME B & PV Code- Section V
- AMS 3044
- AMS 3046
- AMS 3161
- AMS 2641
- MIL-STD-271
- NAVSEA 250-1500-1
- A-A-59230

Properties:

- Concentration: 1.25 g/ltr
- Colour: Fluorescent Yellow Green
- Specific Gravity : 0.56 g/ml
- Temperature: Maximum 120°F (49 °C)
- Particle Size: Not less than 98% passage through defined in AMS 3044. The typical range of particle sizes is from 2 to 5µm 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 A5282), set on a 25mm diameter copper bar, magnetized with 2500 A of direct current.

Application:

- Thoroughly clean surface to be examined.
- Shake can vigorously for fifteen seconds and occasionally during use.
- Point spray button toward inspection surface, holding can 7 to 9 inches (18 to 24 cm) from surface.
- Spray solution onto suitable, magnetized surface until the surface is thoroughly covered with solution.
- Examine the surface under visible light for indications.
- If clogging develops, turn spray button 1/4 turn. If clogging persists, remove and clean spray button. DO NOT put pin or another object into can opening. Gently replace spray button with a twisting motion, holding top of can and spray button opening pointed away from you.

Shelf Life : Two (2) years when stored in a clean area, away from excessive heat or cold.

Pack size: Aerosol Can 420ml

Disclaimer: Our technical advice, information and statements given verbally, in writing or in the form of test results, are offered for your guidance without warranty. No warranty of fitness for a particular purpose is made. It is the user's responsibility to test the suitability of each product for his intended process and applications. Our guarantee is limited to the consistent quality of our products.