



FLUXO 307

Fluorescent Magnetic Concentrate for Magnetic Particle Inspection

General Appearance & Composition

- Water Based Fluorescent Magnetic Concentrate for Magnetic Particle Inspection
- Typical Dilution: 2.0% in Water
- Processing Temperature: 0°C to 50°C
- **High level of Anticorrosive Protection**
- **FLUXO 307** is a mixture of fluorescent magnetic powder, wetting agent, antifoam, rust inhibitor and additives.
- Low Fluorescence background on parts.
- NON-DANGEROUS product
- Manufacturer: SREM TECHNOLOGIES

Approval & Specifications

- EN ISO 9934-2
- AMS 3044 (Fluorescent Powder)
- ASTM E1444 / E1444M - Section 5.8 - ASTM E-709
- ASME BOILER AND PRESSURE VESSEL CODE, SECTION V
- Code RCC-M
- SAE AS4792 - Water Conditioning Agents for Aqueous Magnetic Particle Inspection
- For Aerosol Cans = PMUC - Low in Sulphur & Halogens (Nuclear Quality)

Properties

- Performance: 70mm in reference block Type 2
- Aspect & color: green suspension
- Particle size: around 5-10 µm
- Fluorescence coefficient : $\beta \approx 3,8 \text{ cd.W}^{-1}$
- Corrosion test: level 0 (according to standard ISO 9934-2)
- Mechanic stability : stable product
- Stability in time: minimum 24 months
- Settlement Volume: 0,1 to 0,3 ml / 100 ml (1 h)

Application

- Remove tinder, rust and other contaminations from surface
- Shake concentrate well before use
- Typical dilution: 2.0% in water (1/50)
- During magnetization spray the preparation on the surface
- Defects will appear as yellow-green fluorescent indications under UV Light

Shelf Life

- Minimum of 2 years for drums / 3 years for Aerosol cans. stored at room temperature.
- Please refer to the Safety Data Sheet

Pack Sizes

- Aerosol Can 400mL
- Drum 5kgs - 1kg - 200g

