



Magnetic Particle Inspection

Product information

MR[®] 158-R Magnet powder concentrate



MR[®] 158-R Magnetic powder concentrate

fluorescent, 1:50, water suspendable
for magnetic particle inspection according to EN ISO 9934-1

General appearance and composition:

- Water suspendable concentrate with fluorescent ferromagnetic particles
- Includes corrosion inhibitor and other additives
- Free of nitrite, halogen and silicone
- Medium particle size $d_a = 3 \mu\text{m}$
- Yellow-green fluorescent under UV-radiation
- Sediment 0,20 – 0,30 ml / 100ml (1 h)
- Prüfsicherheit ist gewährleistet im Temperaturbereich von +10°C bis +80°C

Relevant Specifications

- Type testing in accordance to DIN EN ISO 9934 part 2
- Examination of corrosive ingredients according ASME Code V, Section V, Article 6, T-641
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner
- Shake concentrate well
- Dilute 1:20 to 1:50 in water
- During magnetization (e.g. with a MR[®] Hand yoke) spray the preparation on the surface
- If using a test bench, fill the preparation into the container with the pump
- Under UV-radiation discontinuities will appear as yellow-green fluorescent magnetic particle indications

Minimum shelf life:

- Will keep for a minimum of 1 year, stored at room temperature

Pack sizes:

- 1 kg, 5 kg