



# Magnetic Particle Inspection

Product information

MR<sup>®</sup> 158-R Magnet powder concentrate

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## MR<sup>®</sup> 158-R Magnetic powder concentrate

yellow-green luorescent, 1:50, water suspendable  
for Magnetic Particle Inspection acc. 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  $d_a = 1-3 \mu\text{m}$
- Yellow-green fluorescent under UV-radiation
- Sediment: 0,10 – 0,20 ml / 100 ml (30 Min.)
- Processing temperature: +10 °C to +80 °C
- No declaration of hazardous ingredients – ECO-LINE

### Relevant Specifications

- Type testing in accordance to EN ISO 9934 part 2
- Examination of corrosive ingredients according ASME Code V, Section V, art. 7
- 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<sup>®</sup> 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
- Attention: powder residues in the delivery containers reduce the sediment content in the test agent container

### Minimum shelf life:

- Will keep for a minimum of 2 years, stored at room temperature

### Pack sizes:

- 100 g, 1 kg, 5 kg