



Magnetic Particle Inspection

Product information

MR[®] 158-R GF Magnetic powder suspension



MR[®] 158-R GF Magnetic powder suspension

fluorescent, ready for use
for magnetic particle inspection according to EN ISO 9934-1

General appearance and composition:

- magnetic powder suspension with fluorescent ferromagnetic particles
- high sensitivity
- includes corrosion inhibitor and other additives
- free of nitrite, halogen, sulphur and silicone
- medium particle size $d_a = 3 \mu\text{m}$
- yellow-green fluorescent under UV-radiation
- VOC-contents < 0,1 %
- no flammable propellants, but compressed air
- overhead sprayable
- no unpleasant odour
- Water based
- Sediment 0,20 – 0,30 ml / 100 ml (1/2 h) acc. to ASTM E 709-01
- Testing security is guaranteed at work piece temperatures: between +10 °C and +80 °C



Relevant Specifications

The product is based on MR[®] 158-R magnetic powder concentrate. For this the following permissions are available:

- Type testing in accordance to DIN EN ISO 9934 part 2
- The corrosive components of MR[®] 158-R are in accordance with EN ISO 9934-2
- 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. (e.g. with MR[®] 71 Paint Remover)
- Shake suspension and aerosol can well.
- That is required to mix the contents sufficiently.
- During magnetization (e.g. with a MR[®] Hand yoke) spray MR[®] 158-R GF Magnetic powder suspension 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:

- Aerosols and bulks will keep for a minimum of 1 year
- Protect against frost!
- Storage temperature 5-30 °C

Pack sizes:

- aerosols 300 g (active substance!)
- 5 kg, 10 kg

→ **The advantage of aerosols with the propellant compressed-air is that at a netto product volume of 300 ml they contain approx. 30-40 % more usable test medium than a 500 ml aerosol with propellant propane/butane.**

18.06.2014/db

Technical changes reserved!