

Product information MR[®] 221 *GF Magnetic powder suspension*



MR® 221 GF Magnetic powder suspension

black, ready for use

for magnetic particle inspection according to EN ISO 9934-1

General appearance and composition:

- magnetic powder suspension with black ferromagnetic particles
- water based
- high sensitivity
- includes corrosion inhibitor and other additives
- free of nitrite, halogene, silicone
- medium particle size da = 2,5-5,0 μm
- Sediment: 0,4 0,8 ml/100 ml (1/2 h) acc. to ASTM E 709-01
- overhead sprayable
- VOC-contents < 0,1 %
- <u>no flammable propellants, but compressed air</u>
- no unpleasant odour
- Testing security is guaranteed at work piece temperatures: between +10 °C and +50 °C

Relevant approvals and specifications

The product is based on MR[®] 221 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[®] 221 are in accordance with EN ISO 9934-2
- Examination of corrosive ingredients according ASME Code V, Art. 7, T-731
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

Application:

- remove fat and oil (e.g with MR[®] 71 Paint Remover) as well as tinder, rust and other contaminations from surface in a suitable manner
- for a good contrast spray a thin film MR 72[®] White contrast paint (alternatively MR[®] 721 White contrast paint, aqueous), layer thickness max. 40 μ m, on the surface
- during magnetization (e.g. with a MR[®] Hand yoke) spray the preparation on the surface
- discontinuities will appear as black magnetic particle indications

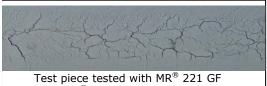
Minimum shelf life:

- Aerosols will keep for a minimum of 1 year, stored at room temperature
- Bulks will keep for a minimum of 1 year, stored at room temperature
- Protect against frost!

Pack sizes:

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

Also available with the following sediment (Pack sizes on request): Version A: 1,2 - 2,4 ml/100 ml (1 h)



Test piece tested with MR[®] 221 GF and MR[®] 72 white contrast paint

→ 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.

15.07.2014/db

Technical changes reserved!

1/1