



Magnetic Particle Inspection

Product information

MR[®] 221 Magnetic powder concentrate



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black, 1:50, water suspendable

for magnetic particle inspection according to EN ISO 9934-1

General appearance and composition:

- magnetic powder concentrate with ferromagnetic particles, suspendable in water
- includes corrosion inhibitor and other additives
- free of nitrite, halogene, silicone
- medium particle size $d_a = 2 \mu\text{m}$
- sediment: 0,4-0,8 ml / 100 ml (1/2 h) acc. to ASTM E 709-01.

Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner
- Shake concentrate well
- Dilute 1:50 in water
- For a good contrast spray a thin film MR[®] 72 White contrast paint (alternatively MR[®] 721 White contrast paint, aqueous), layer thickness max. 40 μm , on surface
- During magnetization (e.g. with a MR[®] Hand yoke) spray the preparation on the surface
- Discontinuities will appear as black magnetic particle indications on the white surface
- After documentation the surface can be cleaned with MR[®] 71 Paint Remover

Minimum durability:

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

Pack sizes:

- 1 kg