



Magnetic Particle Inspection

Product information

MR 210 Magnetic powder, black



MR[®] 210 Magnetic powder, black

1:100, oil and water suspendable, for dry or wet testing
for magnetic particle inspection according to DIN EN ISO 9934-1

General appearance and composition:

- highly sensitive powder with ferromagnetic particles, suspendable in water or oil
- suitable for dry testing at warm and high temperatures
- medium particle size $d_a = 0,2 \mu\text{m}$

Application:

- Concentrations:
1:200 Sediment: 0,6-1,2 ml/100 ml (1 h)
1:100 Sediment: 1,2-2,4 ml/100 ml (1 h) (corresp. ASME-specifications)
- remove fat and oil (with MR[®] 79 Special remover) as well as tinder, rust and other contaminations from surface in a suitable manner

Wet testing:

- dilute in water or MR[®] 82 Flux oil
- according your requirements, add MR[®] 300 Corrosion inhibitor, MR[®] 400 Wetting agent and MR[®] 500 Anti-foam emulsion
- for a good contrast spray a thin film MR 72[®] White contrast paint (layer thickness max. 40 μm) 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
- after documentation the surface can be cleaned with MR[®] 71 Remover

Dry testing:

- for a good contrast spray a thin film MR[®] 72 White contrast paint (layer thickness max. 40 μm) on the surface
- during magnetization (e.g. with a MR[®] 52 Hand yoke) dust the powder on the surface
- discontinuities will appear as black magnetic particle indications
- after documentation the surface can be cleaned with MR[®] 71 Remover

Minimum durability:

- will keep for a minimum of 4 years, stored at room temperature

Pack sizes:

- 1 kg

