



# Magnetic Particle Inspection

Product information

MR® 76 SR Magnetic powder suspension



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## MR® 76 SR Magnetic powder suspension

black, oil based, ready for use,  
for magnetic particle inspection acc. to EN ISO 9934-1

### General appearance and composition:

- MR® 76 SR Magnetic powder suspension black serves to indicate cracks when performing coloured magnetic particle inspection
- Medium particle size  $d_{50} = 1-3 \mu\text{m}$
- Sediment: 1,2 – 2,4 ml/100 ml (1 h) (corresp. ASME-specifications)
- Low odour
- Oil based
- Processing temperature +10 to 50 °C
- Aerosol over head sprayable
- No declaration of hazardous ingredients (at bulks) – ECO-LINE

### Relevant approvals and specifications

- Examination of corrosive ingredients acc. ASME Code, Section V, Article 7
- Meets the requirements of DIN EN ISO 9934-2 and may be identified as „free of corrosive ingredients according to DIN EN ISO 9934-2“.
- 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
- Spray a thin film MR® White contrast paint (layer thickness max. 40  $\mu\text{m}$ ) on the surface and allow to dry for a few seconds
- Apply MR® 76 SR Magnetic powder suspension black on the surface during magnetization (e.g. with a MR® Hand yoke)
- Discontinuities will appear as black magnetic particle indications on the white surface
- After documentation the surface can be cleaned without any cleaner

### Minimum shelf life:

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

### Pack sizes:

- Aerosols, 500 ml (1 box contains 12 aerosols)
- 5 L