



Magnetic Particle Testing

Product information

MR[®] 76 FR Magnetic powder suspension



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green fluorescent, high brilliant, ready for use,
for Magnetic Particle Inspection acc. to EN ISO 9934-1

General appearance and composition:

- MR[®] 76 FR Magnetic powder suspension fluorescent serves to indicate cracks when performing magnetic particle inspection under UV-light
- Medium particle size $d_{50} = 1-3 \mu\text{m}$
- Green fluorescent
- High brilliant
- Sediment: 0,2 – 0,3 ml/100 ml (1 h) (corresp. ASTM E 1444)
- No hydrocarbons, not harmful to health
- Oil based
- Aerosol over head sprayable
- No declaration of hazardous ingredients (at bulks)
- Processing temperature +5 to +50°C

Relevant approvals and specifications

- Examination of corrosive ingredients acc. ASME Code V, Section V, Article 7
- Meets the requirements of EN ISO 9934-2 and may be identified as „free of corrosive ingredients according to EN ISO 9934-2“.
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas

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
- Apply MR[®] 76 FR Magnetic powder suspension fluorescent on the surface during magnetization (e.g. with a MR[®] Hand yoke)
- Under UV-light discontinuities will appear as green fluorescent magnetic particle indications on surface
- After documentation the surface can be cleaned with MR[®] 71 Paint Remover

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