



Magnetic particle inspection

Product information

MR[®] 76 S Magnetic powder suspension



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Version A, S und D, black, ready for use, for magnetic particle inspection according to DIN EN ISO 9934 part 1

General appearance and composition:

- Mixture of isoparaffinic carbonhydroxides, additives and pigments
- MR[®] 76 S Magnetic powder suspension black serves to indicate cracks when performing non fluorescent magnetic particle inspection
- Medium particle size $d_a = 2,5 - 5 \mu\text{m}$
- Sediment: MR[®] 76 S, Standard: 0,4 – 0,8 ml/100 ml (1 h)
MR[®] 76 S, Version A: 1,2 – 2,4 ml/100 ml (1 h) (corresp. ASME-specifications)
MR[®] 76 S, Version D: 0,07 – 0,1 ml/100 ml (1 h)

Please mention the required version on your orders!

- Low odour
- MR[®] 76 S Magnetic powder suspension black meets the requirements of DIN EN ISO 9934 part 2 and may be identified as „free of corrosive ingredients according to DIN EN ISO 9934 part 2“.
- Regarding the contents of corrosive ingredients MR[®] 76 S Magnetic powder suspension black meets the requirements of ASME Code V, Section V, Article 6, T-641.

Relevant approvals and specifications

- Type testing in accordance to DIN EN ISO 9934 part 2
- Examination of corrosive ingredients according ASME Code V, Section V, Article 6, T-641
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP
- Produits et Matériaux Utilisables en Centrales (PMUC)

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 72[®] White contrast paint (layer thickness max. 40 μm) on the surface and allow to dry for a few seconds
- Apply MR[®] 76 S 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 with MR[®] 71 Paint Remover
- Processing temperature max. 100 °C

Minimum durability:

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

Pack sizes:

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

Technical changes reserved!

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Please visit our website www.mr-chemie.de

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