



# Penetrant Testing

Product information

MR<sup>®</sup> 68 C Penetrant red and fluorescent



## MR<sup>®</sup> 68 C Penetrant red and fluorescent

for penetrant testing according to  
EN ISO 3452-1 and EN ISO 3452-6

### General appearance and composition:

- Water and solvent removable penetrant red and fluorescent
- Based on mineral oil, contains glycols
- Suitable for all metals  
(suitability for plastics and ceramics needs testing prior to use)
- Without AZO-dye-stuff
- Suitable for very smooth surfaces
- Processing temperature **-10 to +50 °C**
- Aerosol overhead sprayable

### Relevant approvals and specifications

- Sample testing acc. to EN ISO 3452-2 and EN ISO 3452-6
- **Sensitivity class 2 acc. to EN ISO 3452-2**  
system IIIAe
  - Remover: Water
  - Developer: MR<sup>®</sup> 70system IIICe
  - Remover: MR<sup>®</sup> 79, MR<sup>®</sup> 85, MR<sup>®</sup> 88
  - Developer: MR<sup>®</sup> 70system IIIEe
  - Remover: Water, MR<sup>®</sup> 85
  - Developer: MR<sup>®</sup> 70
- **Sensitivity class 2 acc. to EN ISO 3452-6**  
system IIICe
  - Remover: MR<sup>®</sup> 79, MR<sup>®</sup> 85, MR<sup>®</sup> 88
  - Developer: MR<sup>®</sup> 70
- Low content of halogens and sulphur according to EN ISO 3452-2 and ASME Code V, Section V, Article 6
- Produits et Matériaux Utilisables en Centrales (PMUC)
- TLV 9017 01:2011-01

### Application:

- Remove tinter, rust and other contaminations from surface in a suitable manner. A possible precleaner for removal of oils or fats is e.g. our remover MR<sup>®</sup> 79.
- Apply MR<sup>®</sup> 68 C Penetrant red and fluorescent to the part to be tested either by spraying, brushing, flooding or dipping. Allow to penetrate for at least 5 minutes.
- Remove excess penetrant from surface either using water or a clean lint-free cloth lightly moistened with an MR<sup>®</sup> Remover.
- Spray MR<sup>®</sup> Developer (e.g. MR<sup>®</sup> 70) from a distance of approx. 20 cm on the dry surface, achieving a thin, uniform layer. Surface defects will appear as red indications on a white background or fluorescent under UV-light. Please note: If the developer layer is too thick tiny discontinuities will not appear through the developer.

26.02.2018

\*\*Technical changes reserved!\*\*

NDT-materials

CRACK  
Marker



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## 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, 30 L, 200 L
- Valve pen (Piccolo-Pen)