



Penetrant Testing

Product information

MR[®] 312 Penetrant red and fluorescent



MR[®] 312 Penetrant red and fluorescent for penetrant testing according to EN 571 part 1

General appearance and composition:

- Solvent removable penetrant red and fluorescent, type III acc. to EN 571 part 1
- Based on 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
- Testing security is guaranteed at work piece temperatures between -30 °C and +10 °C
- Overhead sprayable

Relevant approvals and specifications

- Sample testing acc. to EN ISO 3452:2006 part 2
- Sensitivity class 2 acc. to DIN EN ISO 3452:2006 part 6 system IIICe
 - Remover: MR[®] 79, MR[®] 85, MR[®] 88
 - Developer: MR[®] 70
- Low content of halogens and sulphur according to DIN EN ISO 3452:2006 part 2 and ASME Code V, Section V, Article 6, T-641
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

Application:

- Remove tinder, 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[®] 79.
- Apply MR[®] 312 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[®] Remover.
- Spray MR[®] Developer (e.g. MR[®] 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.

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, 30 L, 200 L

