



Penetrant Testing

Product information

MR[®] 671 F / MR[®] 671 FN Penetrant fluorescent

MR[®]
CHEMIE
NDT-materials

TO SEE MORE!

MR[®] 671 F / MR[®] 671 FN Penetrant fluorescent

for Penetrant Testing according to EN ISO 3452-1

General appearance and composition:

- Water removable penetrant fluorescent, type I acc. to EN ISO 3452-1
- Free of mineral oil
- Very good biodegradability according to EN ISO 9888
- Suitable for all metals (suitability of MR[®] 671 F for plastics and ceramics needs testing prior to use)
- MR[®] 671 FN specially was developed for ceramics and heat exchanger industry
- Low background fluorescence
- Processing temperature: +10C° to +50C°
- Aerosol can overhead sprayable

Relevant approvals and specifications

- MR[®] 671 F: Sample testing acc. to DIN EN ISO 3452-2,
Sensitivity class 1 acc. to DIN EN ISO 3452-2

MR[®] 671 F: Sensitivity class 1 acc. to self classification

System IAc

- Remover: Water
- Developer: MR[®] 703 W

System IAd

- Remover: Water
- Developer: MR[®] 70

System IAa

- Remover: Water
- Developer: MR[®] 81 T-R

System ICd

- Remover: MR[®] 79, MR[®] 85, MR[®] 88
- Developer: MR[®] 70

- Low content of halogens and sulphur according to EN ISO 3452-2

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 or MR[®] 88.
- Apply MR[®] 671 F / MR[®] 671 FN Penetrant 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 with water.



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- Wet developer:
Spray MR[®] Developer from a distance of approx. 20 cm on the dry surface. Please note: If the developer layer is too thick tiny discontinuities will not appear through the developer.
- Powder Developer:
Dust MR[®] Powder developer on dry surface (e.g. with electrostatic spray gun or powder ball).
- Under UV-light surface defects will appear as yellow-green fluorescent indications.

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