

## MR<sup>®</sup> 311-R Penetrant red



### Product Characteristics

- Water and solvent removable penetrant red
- Penetrant Type II
- Sensitivity level 2 acc. EN ISO3452
- Crack indication colour red
- Suitable for all metals with excellent wetting properties (suitability for plastics and ceramics must be checked before use)
- Carrier medium glycol

### Minimum shelf life / Temperatures

Aerosol / Bulk: 3 years at storage temperature

Storage: + 5 °C - + 45 °C

Application: + 5 °C - + 50 °C



### Approvals / Specification



- EN ISO 3452-2
- ASTM E165
- PMUC
- RCC-M
- ASME Code V, Art. 6
- VDA236-150

### Further Information

Process description according to EN ISO 3452-1 on request or on [www.mr-chemie.de/en](http://www.mr-chemie.de/en). For further information see Material Safety Data Sheet and certificate 3.1. For additional equipment please visit our Homepage or contact our sales team.

### Suggested Products

Pre-cleaner: MR<sup>®</sup> 79, MR<sup>®</sup> 85, MR<sup>®</sup> 88, MR<sup>®</sup> 3001, MR<sup>®</sup> 3002  
Remover: MR<sup>®</sup> 79, MR<sup>®</sup> 85, MR<sup>®</sup> 88, Water  
Developer: MR<sup>®</sup> 70, MR<sup>®</sup> 703 W (+5 °C)  
Test blocks Reference-Testblock 1 & 2 and ASTM Testblock

### Delivery Form



\*\*technical changes reserved!\*\*