

## MR<sup>®</sup> 313 Penetrant red



### Product Characteristics

- MR<sup>®</sup> 313 (bulk) & MR<sup>®</sup> 313 DL (Aerosol can without flammable gases)
- Water- and solvent-washable penetrant red
- Penetrant Type II
- Sensitivity class 2 according to EN ISO 3452
- Crack indication red
- Suitable for all metals, (suitability for plastics and ceramics must be checked before application)
- Carrier medium glycol ether

### Minimum shelf life / Temperatures

Bulk: 3 years at storage temperature  
MR<sup>®</sup> 313 DL: 1 year at storage temperature  
Storage: + 5 °C - + 45 °C  
Application: + 10 °C - + 50 °C



### Approvals / Specification

- EN ISO 3452-2
- 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 and 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 body: Kontrollkörper 1, Kontrollkörper 2 and ASTM Testkörper

### Delivery Form



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