

# PRODUCT INFORMATION

Penetrant testing



## MR® 311-R AMS Penetrant red



### Product characteristics

- Red dye penetrant for penetrant testing
- Listed in the QPL SAE AMS 2644 (QPL)
- Type II according to EN ISO 3452
- Type 2 - Methods A and C according to AMS 2644, water washable and solvent removable
- Good washability
- Good surface wetting
- Excellent crack indication
- Free of NPe and phthalates
- Aerosol can can be sprayed overhead - 360
- Suitable for all metals (suitability for plastics and ceramics to be checked before use)

### Minimum shelf life / temperatures

Container: 3 years  
Aerosol: 3 years  
Storage temperature: + 5 °C - + 45 °C  
Application: + 10 °C - + 50 °C



### Approvals / specification

- DIN EN ISO 3452-2
- ASME Code V, Art. 6, T-641
- ASTM E165/E165M
- QPL SAE AMS 2644
- RCC-M
- VDA236-150



### More hints

Process description according to DIN EN ISO 3452-1 available on request or at [www.mr-chemie.de](http://www.mr-chemie.de). For further information, please refer to our Safety Data Sheet and our 3.1 Certificate. For necessary and supplementary test accessories, please visit our website or contact our staff.

### Suggested products

Pre-cleaner: MR® 79, MR® 85, MR® 88, MR® 3001, MR® 3002  
Intermediate cleaner: MR® 79, MR® 85, MR® 88, Wasser  
Developer: MR® 70, MR® 70 I, MR® 703 W (+5 °C)  
Test body: Control bodies 1 & 2 and ASTM test bodies

### Delivery form



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