



RED-MARK R-1A(NT) Solvent Removable Dye Penetrant

R-1A(NT) is a solvent removable dye penetrant. Dye penetrant testing is a method for easily detecting surface-breaking defects using three steps with three materials: penetrant, remover/cleaner, and developer.

This product can detect clear crack indications with red and white contrast on almost all inspection targets except for plastic and porous materials. It is highly reliable for crack detection in preventive maintenance and quality inspections during manufacturing. It is used for weld quality confirmation, maintenance, and quality inspections and corresponds to Type II (Dye) and Method C (Solvent Removable) in JIS Z 2343.

■ FEATURES

- Clear red defect can be detected with simple steps.
- Excellent wetting properties ensure quick coverage of test surfaces.
- Available in a portable and easy-to-use aerosol type.

■ PROPERTIES

Color	Dark red liquid
Odor	Petrol odor
Flash point	$\geq 158^{\circ}\text{F} / \geq 70^{\circ}\text{C}$
Viscosity	2.3 cSt
Fire Service Act	Class 4 and Class 3 petroleum (non-water-soluble)

■ SPECIFICATION CONFORMANCE

- EN ISO 3452-2
- JIS Z 2343-2

* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.

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APPLICATIONS

- Welds
- Castings
- Forgings
- Pressure vessels
- General metals
- Leak-through detection

SPECIFICATION

How to Use →



NDT Method	Penetrant testing (PT) / Solvent removable dye penetrant
Type	Type II (Dye)
Method	Method C (Solvent removable)
Sensitivity Level	JIS Z 2343-2 Sensitivity Level 2
Storage Temperature	Can : 32°F~104°F (0°C~40°C) / Aerosol : less than 104°F (40°C)
Usage Temperature	14°F~212°F / -10°C ~ +100°C
Quality assurance period	Can : 3 years Aerosol : 5 years from the date of manufacture
Usage cover	Brushing 1L : about 35 m ² / Aerosol : about 12 m ²
Disposal	Aerosol : After using up the contents, press the button outside in a fire-free area until the spray sound disappears, vent the gas completely. Can : Dispose empty can in a safe manner in accordance with local/national regulations.

CONTAINER

Can Type : 3.8 L and 18 L Can, 200 L drum

Aerosol Type : 450 type Aerosol

SERVICE/CONTACT

Please be sure to read the SDS (Safety Data Sheet) before use.

Please download the SDS from our website or contact our nearest sales office or distributor.

For other inquiries about our products, please contact our nearest sales office.



Contact us →