

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

R-1A(NT)Special is a solvent-removable dye penetrant. The dye penetrant testing method is processing three steps using three types of materials: penetrant liquid, cleaning/removal liquid, and developer. It allows easy detection of surface-opening defects.

For inspection targets excluding plastics and porous materials, it detects clear crack indications with red and white contrast. It provides highly reliable defect detection for preventive maintenance and quality inspection during manufacturing. It is used for quality of welds, maintenance, and quality checks, and on austenitic stainless steel. It corresponds to JIS Z 2343 Type II (Dye Penetrant), Method C (Solvent Removable).

■ FEATURES

- Detects highly visible red crack indications in simple steps.
- Excellent wetting ability, quickly covering the test surface.
- Low-halogen and low-sulfur type.
- Portable and easy-to-use aerosol type is also available.

■ 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
- ASME B&PV Code, Sec.V

* 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 removal)
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	3 years from the manufacturing date
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 →

