

RED-MARK RF-1A Solvent-Removable Dye Penetrant

RF-1A is a non-hazardous, solvent-removable dye penetrant. The dye penetrant inspection method enables easy detection of surface-opening defects in three steps using three penetrant testing agents: penetrant, remover/cleaner, and developer.

Excluding plastics and porous materials, it provides clear red and white contrast to crack indications on a variety of test objects, ensuring highly reliable defect detection for preventive maintenance and quality inspection during manufacturing. It is a non-hazardous substance that is not subject to fire regulations. It is used for quality verification of welds, maintenance, quality inspections, and periodic inspections. It corresponds to JIS Z 2343 Type II (dye), Method C (solvent-removable) - Class 1 (halogenated).

■ FEATURES

- Detects highly visible red crack indications in simple steps.
- Excellent wettability, quickly covering the test surface.
- Available in an aerosol type for superior portability and ease of use.
- Non-hazardous and not subject to fire regulations.
- Environmentally friendly fluorine-based solvent (HFO, hydro-fluoro-olefin) with zero-ozone depletion potential.

■ PROPERTIES

Color	Dark red Liquid
Odor	Petrol odor
Flash Point	—
Viscosity	0.9 cSt
Fire Service Act	Non-hazardous

■ 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.

RED-MARK RF-1A Solvent-Removable Dye Penetrant

APPLICATIONS

- Welds
- Castings
- Forgings
- Pressure vessels
- General metals

SPECIFICATION

How to use →



NDT Method	Penetrant testing (PT) / Solvent removable dye penetrant
Type	Type II (Dye)
Method	C (Solvent-Removable) / Class 1 (Halogenated)
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~122°F / -10°C ~ +50°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 →

