

RED-MARK R-1S(NT)/1 AMS2644 Qualified Developer

R-1S(NT)/1 is an AMS2644 qualified solvent-based fast-drying developer. It enables the detection of clear defect indications with red and white contrast on all inspection objects, excluding plastics and porous materials, ensuring reliable defect detection for preventive maintenance and quality inspections during manufacturing. It is used for weld quality checks, maintenance and quality inspections, leak detection, and aircraft component testing. For use, it is recommended to combine it with other AMS2644 qualified products, such as R-1A(NT)/1 penetrant and R-1M(NT)/1 cleaner/remover.

R-1S(NT)/1 is listed in QPL/QPD AMS2644 as Type II (dye) and Form e (organic solvent-based for Type II) and complies with JIS Z 2343 for Type II (dye) and Form e (organic solvent-based for Type II).

■ FEATURES

- Moderate drying properties.
- Qualified by the U.S. Air Force under AMS standards, making it applicable to a wide range of materials, including aviation-related uses.
- Forms a high-opacity white coating
- Also available in an aerosol type for superior portability and usability.

■ PROPERTIES

Color	White suspension
Odor	Alcohol Odor
Flash Point	14°F / - 10°C
Fire Service Act	Class 4 and Class 1 Petroleum (water-soluble)

■ SPECIFICATION CONFORMANCE

- EN-ISO 3452-2
- JIS Z 2343-2
- AMS 2644
- ASTM E 1417
- 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
- Aerospace alloys

SPECIFICATION

How to use →



NDT Method	Penetrant Testing (PT) / Solvent based Developer
Type	Type II (Dye)
Form	Form e (organic solvent-based for Type II)
Storage Temperature	Can: 40°F~104°F(5°C~40°C)/ Aerosol: Less than 104°F(40°C)
Usage Temperature	40°F~125°F/5°C~52°C
Usage cover	Aerosol: about 4.2m ²
Quality assurance period	3 years from the manufacturing date
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

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 →

