

RED-MARK R-3B(NT)Special Plus Water-Washable Dye Penetrant

R-3B(NT) Special Plus is a water-washable dye penetrant. This type of penetrant allows for water-wash removal of excess penetrant from areas with rough surface, complex shapes that are difficult to wipe with solvent removal, and inside holes. It can be washed automatically or manually using a water spray and provides clear defect indications in red and white contrast on all test objects except for plastics and porous materials.

It is used for quality inspections of welds, castings, pressure vessels, large parts, austenitic stainless steels, as well as for preventive maintenance and joint quality confirmation. It corresponds to JIS Z 2343 as Type II (dye), A, C (water-washable, solvent removable).

■ FEATURES

- Provides high-definition red defect indications in simple steps.
- Excellent wettability, quickly covering the test surface.
- Low-halogen and low-sulfur type.
- Available in a portable, easy-to-use aerosol type.
- Excellent water-washability.

■ PROPERTIES

Color	Dark red Liquid
Odor	Petrol odor
Flash point	$\geq 158^{\circ}\text{F} / \geq 70^{\circ}\text{C}$
Viscosity	4.7cSt
Fire Service Act	Class 4 and Class 3 petroleum (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.

RED-MARK R-3B(NT)Special Plus Water-Washable Dye Penetrant

■ APPLICATIONS

- Welds
- Castings
- Forgings
- Pressure vessels
- Large parts
- Austenitic stainless steel

■ SPECIFICATION

NDT Method	Penetrant Testing (PT) / Water-Washable Dye Penetrant
Type	Type II (Dye)
方法	A, C (Water-washable, 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	50°F~122°F/10°C~50°C
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, 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 →

