

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

R-3B(NT) Plus is a water-washable dye penetrant. The water-washable dye penetrant testing allows easy water removal of penetrants from rough surface components, complex shapes that are difficult to wipe off with solvent removal, and penetrants inside holes. It can be cleaned automatically or manually using water spray and detects clear defect indications in red and white contrast on all inspection objects except for plastics and porous materials.

It is used for preventive maintenance, joint quality inspection, quality checks of castings, pressure vessels, large parts, etc., and corresponds to JIS Z 2343 for Type II (dye) and Methods A, C (water-wash, solvent removal).

■ FEATURES

- Detects bright red defect indications with high color clarity in simple steps.
- Excellent wettability, quickly covering the test surface.
- Also available in aerosol type, offering superior portability and usability.
- Excellent water-washability.

■ PROPERTIES

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

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

APPLICATIONS

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

How to Use →



SPECIFICATION

NDT Method	Penetrant Testing (PT) / Water-Washable Dye Penetrant
Type	Type II (Dye)
Method	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 →

