



RED-MARK DP-1S Water-based developer

DP-1S is a water-based, non-combustible paste-type developer. The developer creates a high-opacity white coating that extracts penetrant fluid from defects through capillary action, forming an amplified defect indication pattern due to the contrast between the red penetrant and the white developer.

For application, use immersion coating or spray with a two-fluid nozzle system utilizing air.

This developer is widely adopted for weld quality inspections, large components, and castings, and complies with JIS Z 2343 standards as Type II (dye penetrant) and Form c (water-suspendible, wet developer for Type II).

■ FEATURES

- Non-hazardous material not subject to the Fire Service Act.
- Forms a high-opacity white coating with minimal application.

■ PROPERTIES

Color	White suspension
Odor	Slight odor
Flash point	—
Fire Service Act	—

■ SPECIFICATION CONFORMANCE

* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.



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■ APPLICATIONS

- Welds
- Castings
- Forgings
- Slabs

■ SPECIFICATION

NDT Method	Penetrant testing (PT) / Paste-type developer
Type	Type II (Dye)
Method	Form c (water-suspendible for Type II)
Storage Temperature	Can : 32°F~104°F/0°C ~ 40°C
Usage Temperature	Above 40°F/5°C
Quality assurance period	1 year from the manufacturing month
Disposal	Dispose empty can in a safe manner in accordance with local/national regulations.

■ CONTAINER

Can type: 3.8L and 18L Can

■ 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 →

