



NEO-GLO F-4A/3 AMS2644 Qualified Water washable

F-4A/3 is a low-sensitivity, water-washable fluorescent penetrant. Fluorescent penetrant testing detects surface-opening defects by exposing them under ultraviolet light (UV-A) using a black light source. This penetrant enables clear defect indication visibility, even on rough, unmachined surfaces such as forgings and castings.

With excellent water washability, inspections can be conducted with less water consumption compared to conventional materials, reducing inspection costs while ensuring reliable defect detection. Using F-5D/1 dry developer, F-4W-SP/1 water-suspendible developer, or F-4S(NT)/1 quick-drying developer further enhances defect indication visibility and detection.

F-4A/3 is listed in QPL/QPD AMS2644 as Type I (fluorescent), Method A, C (water-washable, solvent removal), with sensitivity Level 1. It also corresponds to JIS Z 2343 as Type I (fluorescent), Method A, C (water-washable, solvent removal), sensitivity Level 1.

■ FEATURES

- Excellent water washability.
- Qualified by AMS standards and the U.S. Air Force, suitable for a wide range of materials, including aerospace applications.
- The only domestically manufactured AMS-qualified product, enabling short lead times for delivery.
- Excellent visibility of defect indications with low background.

■ PROPERTIES

Color	Yellow-green
Odor	Petrol odor
Flash Point	> 200°F / > 93°C
Viscosity	10.2 cSt
Fire Service Act	Class 4 and class 3 petroleum (water-soluble)



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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.

APPLICATIONS

- Machined parts
- Castings
- Forgings
- Aircraft components
- Automated inspection lines

SPECIFICATION

NDT Method	Penetrant Testing(PT) / Water washable fluorescent penetrant
Type	Type I (Fluorescent)
Method	A、 C (Water Washable, Solvent Removable)
Sensitivity Level	AMS 2644 Sensitivity level 1 / JIS Z 2343-2 Sensitivity level 1
Storage Temperature	40°F~104°F/5°C~40°C
Usage Temperature	40°F~125°F/5°C~52°C
Quality assurance period	3 years from the date of manufacture
Disposal	Dispose empty can in a safe manner in accordance with local/national regulations



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■ CONTAINER

Can Type: 3.8L and 18L cans, 200 L drum

■ 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 →

