



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

F-4A-C/3 is a high-sensitivity, water-washable fluorescent penetrant. With low background and excellent detectability and visibility of crack indications, it has an extensive track record, particularly in detecting stress corrosion cracks and micro-defects, such as those found in jet engines components. For enhanced visibility and detection of crack indications, it is recommended to use F-4A-C/3 in combination with F-5D/1 dry developer, F-4W-SP/1 water-suspendible developer, or F-4S(NT)/1 quick-drying developer.

F-4A-C/3 is listed in QPL/QPD AMS2644 as Type I (fluorescent), Method A, C (water-washable, solvent-removable), Sensitivity Level 3, and is approved by Pratt & Whitney. It also corresponds to JIS Z 2343 as Type I (fluorescent), Method A, C (water-washable, solvent-removable), Sensitivity Level 3.

■ FEATURES

- Qualified by the U.S. Air Force under AMS specifications and approved by Pratt & Whitney, making it suitable for a wide range of materials, including aerospace applications.
- Excellent visibility of defect indications with low background.
- An environmentally friendly penetrant that complies with RoHS2 regulation and is free of substances of very high concern (SVHC) under the European REACH regulations.

■ PROPERTIES

Color	Yellow-green
Odor	Petrol odor
Flash Point	> 200°F / > 93°C
Viscosity	19.9 cSt
Fire Service Act	Class 4 and class 3 petroleum (water-soluble)

■ SPECIFICATION CONFORMANCE

- EN-ISO 3452-2
- JIS Z 2343-2
- AMS 2644
- ASTM E 1417
- ASME B&PV Code, Sec.V
- Pratt & Whitney PMC 4360

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



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

■ APPLICATIONS

- Machined components
- Precision castings
- Precision forgings
- Aerospace alloys
- Jet engine components
- Automatic inspection line
- Titanium
- Aluminum
- Inconel(Nickel)
- Steel

■ 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 3 / JIS Z 2343-2 Sensitivity level 3
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



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

■ 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 →

