

ZL-56

Level 4 Water Washable Fluorescent Penetrant

An ultra-high sensitivity penetrant (Level 4), ZL-56 fluorescent water-washable penetrant is safe for use on alloys in engineering and aerospace use, including aluminum, steel, nickel and titanium. ZL-56 is designed for non-porous and highly machined components. Developers recommended are ZP-4D powder, ZP-9F non-aqueous, SKD-S2 non-aqueous and ZP-5B water suspendible.

ZL-56 is listed on the QPL SAE AMS 2644 Qualified Product List.



BENEFITS

- Bright, high-contrast indications
- Ideal for critical part inspection

APPLICATIONS

Defect location: open to surface

Ideal for:

- Critical components
- High-stress parts
- Smooth, machined surface finish
- Non-porous surfaces

Defect examples:

- Finished surface cracks
- Scratches

SPECIFICATION COMPLIANCE

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- QPL SAE AMS 2644

PROPERTIES

Flash Point	> 200°F / 93°C
Density	1.01 g/cc / 8.40 lb/gal
Viscosity (at 100°F / 38°C)	16.85 cs
NPE-Free	Yes

USE RECOMMENDATIONS

NDT Method	Penetrant Testing, Fluorescent
Type	1
Method(s)	A / C
Sensitivity Level	4, ultrahigh sensitivity
Required Equipment	UV light source
Usage Temperature	40 to 125°F / 5 to 52°C
Storage Temperature	50 to 86°F / 10 to 30°C

PACKAGING

5 gal / 18.9 L pail	01-3267-40
55 gal / 208 L drum	01-3267-45

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at www.magnaflux.com.