

SKL-WP2

Water Washable Visible Dye Penetrant

Designed for large surface areas and rough surfaces where excess penetrant is difficult to remove with a solvent removable cleaner or emulsifier, SKL-WP2 can be removed with a water spray, either manually or with an automated step. It produces a visible red color contrast for discontinuity identification, and it also has outstanding penetrating characteristics. It is normally used on welds, forgings, pressure vessels, castings and general metal work, and it lends itself to a production environment where many parts are inspected daily.

SKL-WP2 is listed on the QPL SAE AMS 2644 Qualified Product List.



BENEFITS

Dependable and convenient to use

- Easy to carry and use in the field with the convenient aerosol cans which are carefully designed for consistent, even coverage and maximum test area coverage
- Use in all conditions without the need for darkness or UV lights
- Quickly and completely covers the entire test surface due to high surface wetting

Wide application versatility

- Inspect a wide range of components without fear of corrosion or specification non-conformance
- Meets AMS 2644 and is NDT-approved for professional industrial applications
- Reduced processing cost per part due to excellent washability, which is especially useful for large parts and cast components

Maximum indication detection

- Produces strong, vibrant indications thanks to the bright, vibrant red color, especially when used with SKD-S2 solvent-based developer

Maximize operator comfort and safety

- Promotes better inspection quality by providing the operator with a more comfortable work environment
- Reduces discomfort from strong odors
- Exceeds all EHS requirements, does not contain NPEs or phthalates

FEATURES

- Easy, water-wash removal
- ISO 3452 sensitivity level #2
- Can be used with Method A or Method C
- Vivid, high-contrast red color
- Superior flaw resolution
- Good surface wetting
- Optimized capillary action
- Works in visible light
- Very low toxicity
- Low odor
- NDT-spec compliant

SPECIFICATION COMPLIANCE

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- GE P50YP107
- ISO 3452
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- QPL SAE AMS 2644

APPLICATIONS

Defect location: open to surface

Ideal for:

- Wide range of applications
- Large parts
- Castings
- Forgings
- Welds
- Pressure vessels
- Tubular goods

Defect examples:

- Cracks
- Leaks
- Incomplete weld penetration
- Incomplete weld fusion
- Undercutting
- Slag inclusions
- Flux inclusions
- Weld porosity

Note: may cause staining on magnesium with dwell times longer than 4 hours.

PROPERTIES

Flash Point	> 200°F / 93°C
Density	0.87 g/cc / 7.30 lb/gal
Viscosity (at 100°F/38°C)	7.89 cs
NPE-Free	Yes

USE RECOMMENDATIONS

NDT Method	Penetrant Testing, Visible Dye
Type	Type 2
Method(s)	A / C
Sensitivity Level	ISO 3452 sensitivity level #2
Required Equipment	No special equipment needed
Usage Temperature	40 to 125°F / 5 to 52°C
Storage Temperature	50 to 86°F / 10 to 30°C
Coverage	1 gal will cover approximately 1,200 ft ² / 111 m ²

PACKAGING

Aerosol can, case of 12	01-5190-78
1 gal / 3.78 L jug, case of 4	01-5190-35
5 gal / 18.9 L pail	01-5190-40
55 gal / 208 L drum	01-5190-45

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.