

SKD-S2

Solvent Based Developer

Noted for its usage on special alloy and nuclear industry applications, SKD-S2 solvent-based developer is non-halogenated and ready-to-use. White developing particles suspended in fast-drying solvent produce an opaque white coating for a contrasting background around penetrant indications. It is ideal for machine shops and for welding applications in construction.

SKD-S2 is listed on the QPL SAE AMS 2644 Qualified Product List.

BENEFITS

Increases indication visibility

- Improves indication detection by creating an optimal surface for penetrant indication formation
- Bright white, opaque coverage blocks all underlying surface color and quickly draws penetrant to the surface for stronger, clearer indications

Application versatility

- Can be used with a variety of Type 2 and Type 1 penetrants in many different situations without measuring or diluting
- ISO 3452 conformance allows SKD-S2 to be used to inspect a wide range of parts

Faster cleaning

- Reduces inspection process time by minimizing post-inspection cleaning

FEATURES

- Bright white color
- Provides good background contrast
- Nonfluorescent
- Wicks penetrant out of indications
- Fast drying
- Easy to apply
- Convenient, ready to use formula
- Very low toxicity
- Matte, opaque coating
- Easy to clean

APPLICATIONS

Defect location: open to surface

Ideal for:

- Welds
- Machine shops
- Field applications

SPECIFICATION COMPLIANCE

- AECL
- AMS 2644
- ASME BPVC
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- GE P3TF2
- GE P50YP107
- Honeywell EMS 52309
- ISO 3452-2
- MIL-STD-2132
- MIL-STD-271
- NAVSEA 250-1500-1
- NAVSEA T9074-AS-GIB-010/271
- QPL SAE AMS 2644

PROPERTIES

Density	Bulk: 7.5 lb/gal (870 g/L)
NPE-Free	Yes

USE RECOMMENDATIONS

NDT Method	Penetrant Testing
Form(s)	d/e
Coverage	1 aerosol can will cover approximately 65 ft ² (6 m ²) 1 gal will cover approximately 800 ft ² (74 m ²)

INSTRUCTIONS FOR USE

SKD-S2 should be applied by spray only, since dipping or brushing will cause excessive solvent action on the penetrant in discontinuities. SKD-S2 may be applied by aerosol, or conventional spray gun. SKD-S2 must be agitated during use to ensure the developer particles remain suspended during processing.

Solvent-based developers like SKD-S2 should be sprayed in thin even layers, which just wet the surface. A heavy spray will cause excessive bleeding and running of indications; whereas too light a spray will result in slow indication development as well as possible loss in overall sensitivity due to limited solvent action.

PACKAGING

Aerosol can, case of 12	01-5352-78
1 gal / 3.78 L jug, case of 4	01-5352-35
5 gal / 18.9 L pail	01-5352-40
55 gal / 208 L drum	01-5352-45

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.