

# SKD-S2

## SOLVENT BASED DEVELOPER

## 溶剂型显像剂

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是无卤的溶剂型显像剂，即用型，可用于特殊合金和核工业。白色的显像粉末分散在快干型的溶剂中，施加后留下一层不透明的白色膜层，为渗透检测提供白色背景，使缺陷指示更加鲜明。

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

SKD-S2列入QPL AMS 2644合格产品目录。

### BENEFITS 优势

Increases indication visibility

提高显示的可见性

- Improves indication detection by creating an optimal surface for penetrant indication formation.  
为渗透显像过程提供一个最佳的工件表面条件，提高缺陷显示效果。
- Bright white, opaque coverage blocks all underlying surface color and quickly draws penetrant to the surface for stronger, clearer indications.  
白色的不透明的涂层可覆盖任何工件原本的颜色，使得渗透液快速返吸至表面，形成鲜明、清晰的缺陷指示。

Application versatility

应用范围广

- Can be used with a variety of Type 2 and Type 1 penetrants in many different situations without measuring or diluting.  
可适用于荧光或着色渗透检测，以及各种不同的检测工艺，无需重新配制或者稀释。
- ISO 3452 conformance allows SKD-S2 to be used to inspect a wide range of parts.  
SKD-S2符合ISO 3452标准，适用于不同类型的工件。

Faster cleaning

清洗快速

- Reduces inspection process time by minimizing post-inspection cleaning.  
后续清洗容易，可有效缩短检测时间。

### FEATURES 特性

- Bright white color  
白度高
- Provides good background contrast  
提供良好的背景反差
- Nonfluorescent  
无荧光
- Wicks penetrant out of indications  
缺陷指示通过毛细血管作用显示
- Fast drying  
快速干燥
- Easy to apply  
施加容易
- Convenient, ready to use formula  
即用型，使用方便
- Very low toxicity  
极低毒性
- Matte, opaque coating  
不反光、不透明涂层
- Easy to clean  
容易去除

**SPECIFICATIONS 符合规范**

- 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

**APPLICATIONS 应用**

Defect location: open to surface  
缺陷位置：表面开口缺陷

Ideal for 适用于

- Welds 焊接
- Machine shops 机械加工厂
- Field applications 外场检测

**PROPERTIES 属性**

Density 密度	0.870 g/ml
NPE-Free 不含壬基酚	Yes 是

**USE RECOMMENDATIONS 使用推荐**

NDT Method 无损检测方法	Penetrant Testing 渗透检测
Form(s) 显像方式	d/e
Coverage 喷涂面积	1 aerosol can will cover approximately 65 ft <sup>2</sup> /6m <sup>2</sup> 约 6m <sup>2</sup> / 罐 1 gal will cover approximately 800 ft <sup>2</sup> /74 m <sup>2</sup> 约74 m <sup>2</sup> /加仑

**INSTRUCTIONS FOR USE 使用指南**

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.

SKD-S2显像剂只能采用喷涂方式施加, 如果采用浸涂或刷涂的方式施加将导致过度的溶剂作用, 致使不连续中的渗透剂被溶出。SKD-S2可以用喷雾罐或合适的喷枪施加。在使用过程中要不断摇动, 确保显像剂颗粒保持悬浮状态。

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.

像SKD-S2这样的溶剂型显像剂, 要喷得薄薄一层, 刚好覆盖表面即可。喷涂过多会导致缺陷指示扩散、模糊。然而, 喷涂过薄会导致缺陷显示缓慢, 并且会由于溶剂化作用减弱, 而损失系统灵敏度。

**PACKAGING 包装形式**

01-5352-78C	Aerosol can (case of 12) 气雾罐 (12罐/箱)
01-5352-50C	20L pail 20升桶
01-5352-60C	200L pail 200升桶

**HEALTH AND SAFETY 健康与安全**

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.cn](http://www.magnaflux.cn).

产品使用前请阅读相关的健康和安全信息。完整的健康和安全信息参考[www.magnaflux.cn](http://www.magnaflux.cn)上的SDS (安全数据表)。