

SKL-WP2

WATER WASHABLE VISIBLE DYE PENETRANT

水洗型着色渗透剂

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是水洗型着色渗透剂, 当不方便使用溶剂或乳化剂清洗时, 可以选用本产品, 可以采用手动或自动的方式, 用水喷洗去除表面多余的渗透剂。特别适合检测大批量、大型、表面粗糙的工件。在检测工件表面开口缺陷时, SKL-WP2具有优异的渗透能力和鲜明的红色指示。通常被用来检测焊缝、锻件、压力容器、铸件和一般金属制品。

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

SKL-WP2已被列入QPL AMS 2644合格产品目录。

BENEFITS 优势

Dependable and convenient to use

使用方便、可靠

- 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.

使用和携带方便, 精心设计的气雾罐包装的产品, 喷射稳定、均匀, 能够覆盖更多的检测面。

- Use in all conditions without the need for darkness or UV lights.
使用时无需暗房和黑光灯。
- Quickly and completely covers the entire test surface due to high surface wetting.
优异的润湿性确保渗透剂能快速完整的覆盖整个工件表面。

Wide application versatility

应用范围广泛

- Inspect a wide range of components without fear of corrosion or specification non-conformance.
可检测各种零部件, 无需担心腐蚀和标准的不符合。
- Meets AMS 2644 and is NDT-approved for professional industrial applications.
符合AMS 2644标准, 并通过各个专业领域的NDT认证。
- Reduced processing cost per part due to excellent washability, which is especially useful for large parts and cast components.
由于其良好的水洗性能, 可以降低单位工件的检测成本, 特别适合检测大型工件和铸件。

Maximum indication detection

缺陷指示鲜明

- Produces strong, vibrant indications thanks to the bright, vibrant red color, especially when used with SKD-S2 solvent-based developer.
鲜明的红色, 呈现强烈、鲜明的缺陷指示, 当与SKD-S2溶剂悬浮式显像剂配合使用时效果更佳。

Maximize operator comfort and safety

操作者舒适及安全

- Promotes better inspection quality by providing the operator with a more comfortable work environment.
为操作工人提供一个更佳舒适的工作环境, 促进达成更高的检测质量。
- Reduces discomfort from strong odors.
减少强烈的刺激气味。
- Exceeds all EHS requirements, does not contain NPEs or phthalates.
超出EHS的所有要求, 不含烷基酚和邻苯二甲酸酯。

FEATURES 特性

- Easy, water-wash removal
水洗去除方便
- ISO 3452 sensitivity level #2
ISO 3452二级灵敏度
- Can be used for Method A or Method C
可以用方法A或者C去除
- Vivid, high-contrast red color
鲜明、高对比度的红色
- Superior flaw resolution
优异的缺陷分辨率
- Good surface wetting
优异的表面润湿性
- Optimized capillary action
优化的毛细作用, 渗透力强
- Works in visible light
白光下观测
- Very low toxicity
极低毒性
- Low odor
低气味
- NDT-spec compliant
符合各种NDT标准

SPECIFICATIONS 符合规范

- 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 应用

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

Ideal for 适用于

- Wide range of applications 应用广泛
- Large parts 大型工件
- Castings 铸件
- Forgings 锻件
- Welds 焊接件
- Pressure vessels 压力容器
- Tubular goods 管材

Defect examples 缺陷类型

- Cracks 裂纹
- Leaks 泄漏
- Incomplete weld penetration 未焊透
- Incomplete weld fusion 不完整的焊缝融合
- Undercutting 咬边
- Slag inclusions 夹渣
- Flux inclusions 钎剂夹杂
- Weld porosity 焊接气孔

PROPERTIES 属性

Flash Point 闪点	> 200°F / 93°C
Density 密度	0.87 g/cc / 7.30 lb/gal
Viscosity 粘度 (100°F / 38°C)	7.89 cs
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, Visible 渗透检测, 着色
Type 渗透剂类型	2
Method(s) 去除方法	A/C
Sensitivity Level 灵敏度等级	ISO 3452 sensitivity level #2 ISO 3452 二级灵敏度
Required Equipment 设备要求	No special equipment needed 无需特别的设备
Temperature range 温度范围	40 - 125°F / 4 - 52°C
Coverage 喷涂面积	1 aerosol can will cover approximately 65 ft ² /6m ² 约 6m ² /罐 1 gal will cover approximately 1,200 ft ² /111 m ² 约 111 m ² /加仑

PACKAGING 包装形式

01-5190-78C	Aerosol can (case of 12) 气雾罐 (12罐/箱)
01-5190-50C	20L pail 20升桶
01-5190-60C	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.

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 上的 SDS (安全数据表)。