

ZP-4D

DRY POWDER DEVELOPER

干粉显像剂

A developer applied to oven dried parts following the use of penetrants. Its distinctive feature is that it forms a thin film on parts. This film enhances the visibility of ultra-fine discontinuities.

ZP-4D干粉显像剂适用于经过渗透并烘箱干燥后的零部件。其显著的优势在于能够形成一层极薄的膜附着在零件表面从而提高对极其细小缺陷的检测能力。

ZP-4D is listed on the QPL SAE AMS 2644 Qualified Product List and is approved for use by Pratt & Whitney.

ZP-4D已被列入QPL SAE AMS 2644合格产品目录并且被普惠公司批准和使用。

BENEFITS 优势

- Even, thin developer coverage
均匀且极薄的显像剂膜层
- Enhances visibility of ultra-fine discontinuities
对极细小缺陷出色的检测能力

SPECIFICATIONS COMPLIANCE 符合规范

- AECL
- AMS 2644
- AMS 2647
- ASME
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- GE P3TF2
- Honeywell EMS 52309
- ISO 3452-2
- MIL-STD-2132
- MIL-STD-271
- Pratt & Whitney PMC 4350
- 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

- Castings 铸件
- Turbine components 涡轮零部件
- Critical components 关键零部件

Defect examples 缺陷类型

- Cracks 裂纹
- Seams 裂缝
- Porosity 气孔

PROPERTIES 属性

Particle Size 粒径	< 30 μm
Density 密度	240 kg/m ³
NPE-Free 不含烷基酚	Yes 不含

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	a

INSTRUCTIONS FOR USE 使用指南

ZP-4D may be applied by dusting, spraying, or dipping. Dipping is the least preferred method of application as some indication scrubbing can result and developer can become contaminated quickly with penetrant. Electrostatic spray application is possible, but care is required to prevent excessive developer build-up which will mask indications. For best results, allow a minimum of ten minutes for developing time before inspecting.

ZP-4D可以使用撒粉、喷涂、浸蘸等方法施涂，浸蘸由于可能会擦掉缺陷显示，并且使显像剂更快被渗透剂污染，因此最不推荐。静电喷涂可以使用但是要预防过多的显像剂堆积而遮盖缺陷显示。为了达到最佳效果，显像时间至少十分钟后进行观察。

PACKAGING 包装形式

01-3330-20C

5 kg pail 5公斤桶

HEALTH AND SAFETY 健康和安全

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)。