

# WCP-2

## WHITE CONTRAST PAINT

### 白色反差增强剂

A bright white, opaque NDT contrast paint, WCP-2 provides a high contrast background to improve probability of detection and sensitivity during visible magnetic particle inspections.

WCP-2作为一款反差增强剂,在使用非荧光磁粉检测前喷涂,形成亮白色不透明的背景,与非荧光磁粉形成高度反差从而提高缺陷检出率和检测灵敏度。

This fast drying paint aerosol sprays on evenly, without flaking, before inspection so when non-fluorescent / colored magnetic particles are applied, the indications appear clearly against the opaque white background.

这款快干型反差增强剂喷涂均匀,当使用非荧光磁粉时其形成的白色不透明背景使得缺陷显示更加清晰。

WCP-2 can be used with all types of colored and visible mag particles, including 7HF and 7C Black wet method particles, or #2 Yellow and #8A Red dry method magnetic powders.

WCP-2可用于所有非荧光磁粉。例如7HF、7C湿法黑磁粉,以及#2黄色和#8A红色干法磁粉。

#### BENEFITS 优势

##### Maximize indication detection

##### 缺陷显示更明显

- See indications more easily on WCP-2's bright white, opaque surface which highlights indications while minimizing glare/reflections.

WCP-2可在工件表面附着一层白色的不透明涂层,使缺陷指示更加鲜明,减少反光和倒影的干扰,使得缺陷更易被观察到。

##### Increase inspection speed

##### 加快观察速度

- Speed up inspections by applying a clean coat on the first pass, without bubbles or flakes.

WCP-2形成平整的涂层,不会产生气泡或者堆积,可加快观察速度。

- Dries evenly and quickly to create an optimal surface for faster indication formation.

干燥速度快且均匀,建立一个最佳工作表面条件,磁痕新成更快。

##### Application versatility

##### 适用范围广

- Comes in a convenient aerosol to take it with you wherever you go.

喷雾罐包装,便于携带。

- Can be used with wet or dry method magnetic particles on virtually any part.

可用于湿法或干法磁粉检测工艺,适用于各种类型的工件。

- Conforms to ISO 9934 specifications.

符合ISO 9934标准。

#### FEATURES 特性

- Bright white color

白度高

- High opacity

遮盖力强

- Provides good background contrast

提供高质量的背景反差

- Fast drying

干燥速度快

- Convenient, ready to use formula

使用方便,即用型

- Strong surface adhesion

附着能力强

- Matte coating

不反光涂层

- Very low toxicity

极低的毒性

#### SPECIFICATIONS 符合规范

- ISO 9934

#### APPLICATIONS 应用

##### Ideal for 适用于

- Field testing 外场检测

- Spot inspections 现场检测

- In-service inspections 在役检测

**PROPERTIES 属性**

|                                  |   |
|----------------------------------|---|
| Appearance 外观                    | Opaque paint with a matte finish<br>不透明亚光涂层 |
| Color in Visible Light<br>可见光下颜色 | White 白色                                    |
| Color in UV Light<br>黑光下颜色       | N/A   |
| Odor 气味                          | Mild solvent 温和溶剂气味                         |
| Flash Point 闪点                   | NA (Aerosol) 不适用 (气雾罐)                      |

**USE RECOMMENDATIONS 使用推荐**

|                        |  |
|------------------------|--|
| NDT Method 无损检测方法      | Magnetic Particle Testing, Nonfluorescent / Visible<br>磁粉检测, 非荧光磁粉, 湿法                                 |
| Temperature range 温度范围 | 40 - 120°F / 4 - 49°C  |
| Coverage 喷涂面积          | 1 aerosol can will cover approximately 65 ft <sup>2</sup> (6 m <sup>2</sup> )<br>约 6m <sup>2</sup> / 罐 |

**INSTRUCTIONS FOR USE 使用指南**

Use 7HF, 7C Black, #2 Yellow or #8A Red and with appropriate magnetization procedure and equipment. For best results, all components, parts, or areas to be tested should be clean and dry prior to testing to provide an optimal test surface and reduce particle suspension contamination.

与7HF、7C湿法磁粉、#2黄色、#8A红色、#3A黑色干法磁粉等配合使用。采用合适的磁化装置和检测工艺。为到达最佳效果, 检测前, 对所有组件、工件或被检区域进行清洗和干燥, 提供一个最佳的检测面并减少对磁悬液的污染。

Use with WCP-2 to improve contrast and inspection sensitivity.

使用WCP-2, 提高对比度和检测灵敏度。

1. Shake the can well before use and occasionally during application to ensure suspension uniformity and concentration.

1. 使用前充分摇匀, 使用过程中间歇性摇动, 以确保WCP-2的浓度和均匀性。

2. Hold the can 7 to 9 inches (18 to 24 cm) from the area to be tested.

2. 距离检测面18~24cm喷涂。

3. Allow the film of WCP-2 to dry completely before applying magnetic particles, film typically dries in 60 seconds under ambient conditions.

3. WCP-2反差膜完全干燥后施加磁粉, 在正常环境条件下一般60秒内干燥。

**REMOVAL 清除**

Remove WCP-2 with acetone for best results.

用丙酮去除WCP-2效果最好。

All components, parts, or inspection areas must be properly demagnetized before cleaning to ensure easy particle removal. Cleaned parts may be treated with a temporary film protective coating if longer corrosion protection is required.

在清理前对组件、工件、检测区域进行退磁, 以便磁粉能从表面顺利清除。如果有较长时间的防腐要求, 请在清洗结束后, 对工件进行防腐处理。

**STORAGE 储存**

Store in a well-ventilated area away from magnetizing equipment and heat sources. Product age, exposure to elevated temperatures, and/or exposure to a strong magnetic field may adversely affect particle redistribution. Refer to Safety Data Sheet for additional storage instructions.

储存在通风良好的区域, 远离磁化装置和热源。暴露在高温或/和强磁场环境下可能对对颗粒物的再分散性有不良的影响。详细的储存说明见SDS。

**PACKAGING 包装形式**

|             |                                      |
|-------------|--------------------------------------|
| 01-2250-78C | Aerosol can (case of 12) 气雾罐 (12罐/箱) |
| 01-2250-50C | 20L pail 20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管理信息。完整的健康和安全管理信息参考[www.magnaflux.cn](http://www.magnaflux.cn)上的SDS (安全数据表)。