

ATP®-707

protective coating to control alpha case development

控制 a 层形成的防护涂层

● Description 描述

A water-based, ceramic coating formulated to protect titanium alloys against oxide scale, alpha case development, and hydrogen absorption.

一种用于保护钛合金的抗氧化、控制 a 层形成、防渗氢的水基陶瓷涂层。

● Performance Characteristics 性能特征

- effective temp. range 1200-1800°F (648-982°C)
有效温度范围 1200-1800°F (648-982°C)
- controls hydrogen penetration
防渗氢
- controls alpha case development
控制 a 层的形成
- provides heat distribution & metal movement
优化热量分布，增强金属流动性
- demonstrates exceptional green strength upon proper drying to withstand cracking, chipping, peeling, etc.
在适当的干燥条件下，具有良好的生坯强度，能够承受开裂、切削、剥落等
- excellent paint ability; formulated for brushing application (can be adjusted for dipping or spraying by diluting with water—do not thin coating too much)
优良的涂覆性能;适用于刷涂(可通过用水稀释调整为浸涂或喷涂—切勿过度稀释)

● Recommendations for Use 使用指导

- thoroughly suspend and mix before use
使用前充分搅拌均匀
- metal surfaces must be free of dirt, oil, grease, metal oxides, and other materials
金属表面不得有污垢、油污、金属氧化物或其它物质
- coating thickness depends on the time and temperature of exposure (generally, the higher the temperature and longer exposure, the thicker the coating should be applied)
涂层厚度取决于暴露时间和温度(一般温度越高，暴露时间越长，涂层越厚)
- a wet film thickness of 7 ± 3 mil should be optimal
最佳湿膜厚度为 7 ± 3 mil
- ensure bottom coat is thoroughly dried when applying multiple coats

多层涂覆时，应确保底层完全干燥

- water-based coatings need ample time to completely dry before entering furnace (can be applied over preheated substrate to accelerate drying time)

水基涂料需完全干燥后方可入炉(可涂覆于预热后的基材上以加速干燥)

● Typical Properties 典型属性

pH	9.0-10.0
% Solids 固体含量	34 ± 0.5
Vehicle 溶剂	Water 水
Viscosity (@ 25°C) as Supplied 粘度 (CPS)	1500-3500
Weight/Gallon (lbs) 重量 (磅/加仑)	13.18 ± 0.5
Specific Gravity 比重	1.33-1.43
Color 颜色	Off-white 灰白色
Shelf Life 有效期	2 years 年

● Product Safety 产品安全

Before handling the materials listed in this bulletin, read and understand the product SDS (Safety Data Sheet) for additional information on personal protective equipment and for safety, health, and environmental information.

在处理本公告所列材料前，应阅读并了解 SDS（安全数据表）以获得关于个人防护装备、安全、健康和环境信息等额外信息。

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● Storage and Handling 存储及处理

ATP®-707 should be stored indoors in the original unopened and undamaged container, in a dry place at a temperature not exceeding 85°F (30°C). Exposure to direct sunlight should be avoided.

ATP®-707 应存放于室内，保持原包装未开封且完好无损，存放环境需干燥且温度不超过 85°F (30°C)，应避免阳光直射。



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For further information and more product details, packaging and safety data sheets, contact us as below:

欲了解更多产品信息、包装和安全数据表，请与我们联系

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