

ATP®-R10

water-based, boron nitride coating

水基氮化硼涂层

● Description 描述

A water-based, economical boron nitride anti-stick coating formulated to protect metals, glass, ceramics, composites and plastics is ideal for all liquid metal transfer system components.

一种专为金属、玻璃、陶瓷、复合材料及塑料设计的水基、经济高效的氮化硼防粘涂层，完美适配各类液态金属传输系统。

● Performance Characteristics 性能特征

- effective temperature range 有效的温度范围

oxidizing atmosphere -ambient- 1800° F (982° C)	氧化环境- 1800°F(982°C)
Vacuum-ambient -2550° F (1399° C)	真空环境-2550°F (1399° C)
inert -ambient -3300° F (1816° C)	惰性气 体-3300°F (1816° C)

- coverage area = approx. 300-600 ft²

覆盖面积=约 300 - 600 平方英尺

- application/uses 应用领域/用途:

release coating 分离涂层	launders and runners 洗涤装置及流道
auto-pour ladles 自动浇筑钢水包	troughs and tubes 各种槽及管
funnels and spouts 漏斗、斜槽和喷口	filter bowls, boxes 过滤碗、过滤盒
caster tips 铸造机刀片	dross press heads 渣滓压头
electrical heating elements 电加热元件	weld spatter/release 焊接/焊渣飞溅释放
brazing stop-off 抑制钎焊/止焊剂	

- formulated for brushing application (can be adjusted for dipping or spraying by diluting with deionized water- do not thin coating too much)

适用于刷涂（可通过加去离子水稀释调整用于浸涂或喷涂——切勿过度稀释）

● Recommendations for Use 使用指导

- thoroughly suspend and mix before use

使用前应充分搅拌均匀

- all surfaces must be free of dirt, oil, grease, metal oxides, and other materials

所有表面不得有污垢、油污、油脂、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及温度(一般温度越高, 暴露时间越长, 涂层越厚)

- a wet film thickness of 3 ± 1 mil should be optimal
最佳湿膜厚度为 3 ± 1 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 属性

Binding System 粘结剂	bentonite 膨润土
Relative Hardness 硬度	4
pH	7.0-8.0
% Solids 固体含量	10-20
Vehicle 溶剂	Water 水
Viscosity (@ 25°C) as Supplied 粘度	100-2500
Weight/Gallon (lbs) 重量(磅/加仑)	9.25 ± 0.2
Color 颜色	White 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 储存

ATP®-R10 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®-R10 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

商务合作请联系:	无锡优航动力科技有限公司 Wuxi Yura Aviation Power Co., Ltd
全国统一热线:	86-510-88270899
办公地址 1:	无锡市新吴区净慧东道 66 号
办公地址 2:	无锡市滨湖区经开区金融八街联合金融大厦 1201 室
仓库地址:	无锡市新吴区干城路 6 号中关村科创园区 43-A 栋
邮箱:	lili.wan@yura-aviation-power.com
网址:	www.yura-aviation-power.com