

ATP®-R11

water-based, boron nitride lubricating paint 水基氮化硼涂层

● Description 描述

A water-based, boron nitride lubricating paint formulated for mold release, forging, extrusion, non-ferrous melting/casting industries, and refractory protection applications

一种专为模具脱模、锻造、挤压、有色金属熔炼/铸造行业以及耐火材料保护而设计的水基氮化硼润滑涂层。

● Performance Characteristics 性能特征

➤ effective temp. Range 有效的温度范围

oxidizing ambient- 1562°F (850°C)

氧化环境- 1562°F (850°C)

inert/vacuum ambient-3272°F (1800°C)

惰性/真空环境-3272°F (1800°C)

➤ anti-sticking agent

卓越的抗粘附性能

➤ demonstrates superb, high temperature lubrication

优异的高温润滑性能

➤ outstanding paintability and corrosion resistance

优异的可涂覆性及耐腐蚀性

➤ resistance to molten metals, weld splatter, molten salts, braze alloys, and glass

对熔融金属、焊接飞溅、熔融盐、钎焊合金及玻璃具有卓越的抗蚀性

➤ excellent stability for improved shelf life

卓越的稳定性，有效延长产品的保质期

➤ 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 mix before use

使用前充分搅拌均匀

➤ 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、金属氧化物及其它物质

➤ 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 mils should be optimal



最佳湿膜厚度为 3 ± 1 mils

- 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)

WARNING: Do not contact wet layers /coatings with molten metal

警告:不要将湿涂层与熔融金属接触

● Typical Properties 属性

pH	5.0-6.0
% Solid 固体含量	35±0.5
Carrier 介质	water 水
Viscosity (@ 25°C) as Supplied 粘度	4,000-10,000 CPS
Weight/Gallon (lbs) 重量/ (加仑/磅)	11.7 ± 0.5
ShelfLife 有效期	2 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。

No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

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● Storage and Handling 存储和搬运

ATP®-R11 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®-R11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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