

Pro-Seal Ultra Shield II-A™

Polycarbon/Polycarbonate Film Sealer 聚碳酸酯胶片密封剂

Product Description 产品简介

Pro-Seal Ultra Shield II-A™ is a polycarbon/polycarbonate technology integrated high density polyacryl hydrocarbon resistant film sealer. This product is available in custom colors.

This product is designed to protect the applied surface against inclement environment and weather conditions.

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是一种融合聚碳酸酯集成技术和聚丙烯烃的胶片密封剂。本产品有多种颜色。

本产品为应用表面提供保护，以抵抗恶劣的环境和天气的损害。

Applications 应用范围

- Building Facades
建筑物的正面
- Bridges; Railway, Highways
桥梁、铁路、高速公路
- Bridge Columns; Railways, Highways
地面
- Floors
码头 / 支柱
- Docks/Piers
墙身的内部或外部
- Walls interior or exterior
运动场
- Stadiums
提升及保护油漆颜色
- Paint color enhancement or preservative
- Concrete, Brick, Metal, Wood, Granite, Marble, Tile, CMU Block, Cinder Block and more!
混凝土、砖块、金属、木材、花岗岩、大理石地砖、瓦片瓷砖、CMU砖块、煤渣砖及更多

Major Components 主要成分

1. Polyacryl Alcohol
聚丙烯酒精
2. Polycarbon/Polycarbonate integration technology
聚碳酸酯集成技术

Advantage 特点

- May be applied over other coating systems
可应用于其它涂层系统
- Prevents moisture penetration
防止水气渗透
- Prevents freeze-thaw damage, spalling, chipping, and crumbling of brick & concrete
防止冻融的损害, 砖头及混凝土的剥落, 缺陷和碎裂
- Designed to at least double the life-time of most existing painted surfaces
设计上延长最少两倍的现有涂层表面的寿命
- Enhances the appearance of many surfaces while remaining ultra clear
提升大部分表面的外观并保持光亮
- Helps keep buildings cool by refracting infrared rays
透过反射红外线使大厦保持清凉
- Penetrates up to 6mm into the substrate
能渗透基板至6毫米
- Completely opaque to U.V. radiation in frequencies below 2,800 AU
完全不透光于2,800 AU 频率以下的紫外线
- May be pigmented to any color
可以着色至任何颜色
- May be altered to a coating
可于涂层应用
- Self priming
自动吸引
- Creates greater emissivity of heat in white colors
用于白色时, 形成更大的热发射率

Application Instructions 使用说明

1. Surface must be dry, clean and free of all loose particulate and bond-breaking matter.
确保使用表面清洁, 没有松散的微粒和断裂物
2. For specific application instructions or guide specifications, contact Pro-Seal's Technical Department at 800.349.7325 or information@prosealproducts.com
有关更详细的应用指示或指导规范, 请联络我们的热线 800.349.7325
或电邮 information@prosealproducts.com

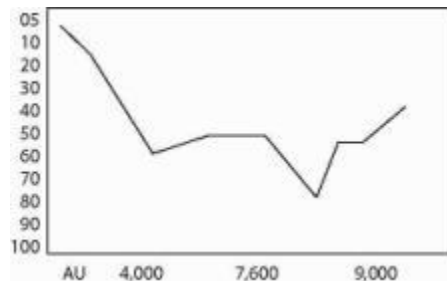
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Technical 技术参数

Information 资料	Value 值
Material 物料	1 part 部分
Appearance 形态	Liquid 液体
Application 应用方法	See guide specification 请参阅指导规范
Cure time to touch 凝固时间(可触摸)	1 hour 小时
Full cure 完全凝固	96 hours 小时
Second coat needed within 需要第二涂 涂层	2 hours 小时
Flammability 可燃性	Not flammable 非易燃
Coverage rate 覆盖率	28.07-72.18 m ² per liter 每公升
Weight per liter 重量	3.82 kg 公斤
Shelf life/storage 保存限期	2 yrs <32°C store out of direct sunlight 2年限期储存于摄氏32度以下, 避免直接接触阳光
Packaging: 包装	1 ltr, 3.8 ltr bottles 公升 樽 20 ltr pails 公升 桶 200 ltr drums 公升铁桶

Percent of Transmission 传送百分比



ASTM D 869: Degree of setting a traffic pain: Dry to touch in less than 12 hours 在不到12小时触干

Particles 颗粒

Particles 颗粒	Size 大小
Compound 混合物	Largest alcohol hydrogen oxygen 酒精氢氧
Particle 颗粒	All ranges 所有范围
Molecule 分子	All ranges 所有范围
Nano 纳毫米	All measurable ranges 所有可量度范围
Sub Nano 子纳米	All measurable ranges 所有可量度范围

Chemical Resistance 耐化学性评级

ASTM 美国材料试验学会标准	
Cured material 固化材料	Rating 评级
Aliphatic hydrocarbons 脂碳氢化合物	10
Aromatic hydrocarbons 碳氢化合物	10
Black & print 黑色及油漆	10
Water 水	10
Oil 油	10
Gasoline 汽油	10
Adhesion to substrate 粘附力	10
Atmospheric contaminants 大气污染物	10
Slip & skid 滑和侧滑	10
Black tire mark 轮胎痕	10

Key: 注 0 = complete failure 彻底失败 10 = excellent 非常好

Cautions 注意事项

Keep out of reach of children. May cause skin or eye irritation. May be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions.

请将本产品保存于儿童触碰不到的地方。一旦触碰, 可能引起皮肤或眼睛刺激。一旦吞咽, 可能导致身体伤害。不会引起呕吐。请在通风良好的区域使用本产品。及时联系医生询问关于急救的建议。本产品只限于商业或工业用途。只限于指定的区域。请联系生产厂商获取具体的操作使用信息。请参阅材料安全数据表以了解其它注意事项。

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Specifications 规格

Test 测试	Data 数据	Value 值
ASTM D 4060-90 Taber abrasion resistance 美国材料试验学会标准 泰伯抗磨损性测试	500 gm head cs 17 wheel wt loss 1,000 cycles	36.6 mg 毫克
ASTM D 1499 ASTM G 23 美国材料试验学会标准	Weatherometer 风化计	Opaque at 2800 AU 不透光于2,800 AU 频率
ASTM C 309-91 ASTM C 156-91 美国材料试验学会标准	Water retention by curing 保水的固化	<.156 kg 少于公斤 >.55 kg 多于公斤
ASTM D 1005-84 美国材料试验学会标准	Dry time rates 烘干数率 15 minutes 分钟 1 hour 小时 12 hours 小时	.003 mil 密耳 .003 mil 密耳 1.00 mil 密耳
ASTM D 523-89 美国材料试验学会标准	Specular gloss 镜面光泽 26.7°C-29.4°C	60
ASTM D 523-89 美国材料试验学会标准	Ambering upon U.V. exposure 紫外线曝光下出现黄化现象	No ambering
ASTM D 522-92 美国材料试验学会标准	Flexibility 柔韧度 6mm mandre I心轴 3mm mandrel 心轴	No cracking 没有破裂
Ford open cup 福特开杯	Cup # 4 viscosity @ 25°C 4号粘度杯在25度	30-40 sec 秒
ASTM D 2697-86 美国材料试验学会标准	Non volatile matter content 非挥发物含量	39%
ASTM D 2369-90 美国材料试验学会标准	V.O.C. content 挥发性有机化合物	No V.O.C.s
FED STD Test 141 Method 0221 联邦试验方法标准	3mm -6mm depending on porosity of surface no cracking or breaking of film mandrill 表面孔隙度, 没有断裂	Penetrability flexibility 9mm 渗透灵活性
Wear to resistance to weighted traffic 抗繁重的交通损耗	Without cracking of chipping 没有裂崩	227/2.5cm ²
FED STD test 141 method 4291 联邦试验方法标准	Flash point 燃点	65.6°C min 分钟
FED STD test 141 method 4282 联邦试验方法标准	Viscosity, #4 ford cup 粘度, 4号福特开杯	10 sec 秒
FED STD TEST 141 method 6171 联邦试验方法标准	Moisture vapor transmission rate (dry-film ca, grms/sq meters/24 hrs) 水蒸气透过率	1.0
FED STD test 141 method 6061 联邦试验方法标准	Weather resistance accelerated weathering closed arc 抗气候性	600 hrs min
FED STD test 141 method 6061 联邦试验方法标准	Salt spray resistance 5% solution 耐盐雾性	600 hrs min
ASTM D622-641 美国材料试验学会标准	Elongation 延长	125%
ASTM D5434 procedure 1 美国材料试验学会标准	Corrosion resistance 耐腐蚀	10%
	Sulphuric acid slightly foggy, no rusting 硫酸轻微暗哑, 没有诱蚀	5%
	Sufuous acid slightly foggy, not rusting 酸轻微暗哑, 没有诱蚀	5%

	Nitric acid slightly foggy, no rusting 硝酸轻微暗哑，没有诱蚀	5%
	Acetic acid slightly foggy, no rusting 乙酸轻微暗哑，没有诱蚀	5%
	Chromic acid slightly foggy, no rusting 铬酸轻微暗哑，没有诱蚀	5%
	Calcium chloride slightly foggy no rusting 氯化钙轻微暗哑，没有诱蚀	500 hrs 10%
	Hot water slightly foggy 热水轻微沉闷	82.2°C 72 hrs
	Sulfur content, ppm 硫含量	50 maximum
ASTM D 2143 美国材料试验学会标准	Hardness –sward 硬度 (sward value 08.04 tabor)	2.5hrs: 11 5 hrs: 15 24 hrs: 22 168 hrs: 31
	Abrasion resistance tabor weight loss/ 500 cycles-grams 阻力	0.0515
	Cycles to break through 循环突破	350
Gardner # 105 Scrub Machine 磨砂机 FED STD Test 141 联邦试验方法标准	Water & alkali resistance 水及碱阻力	20,000
	Dielectric strength volts per mm 介电的百万分率	10,000
	Air dry @ .006 mm wet 风干	30 mins
	Dry hard @ 1006 mm wet 干硬	72 hrs 72小时
	Color fastness 色牢度	Does not yellow or discolor 不会变黄及脱色
	Stain resistance 耐沾污性	Dry film does not stain when exposed to oil and grease 当接触到油及油脂，胶片不会染污

* Data based on laboratory tested materials

* 数据源自于测试中心所测试的物料

Limited Warranty 有限保修

We warrant our product to be free of defects in material and workmanship; and to be in accordance with our company quality control standards. All data, statements, and recommendations, made herein are based upon information we believe to be reliable, but are made without any representation, guarantee, or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for the user's own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only.

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