

Product Datasheet 产品说明书

Product name 产品名称	LT180 High Performance HS Fluorocarbon Coating LT180 高性能高固氟碳涂料
Product description 产品描述	<p>LT180 is the two components, air drying, high solid fluorocarbon finish coating with excellent weather resistance and color retention. It provides the super smoothness and protection without additional thicker film build. LT 180 system is versatile and excellent in application performances which are designed for spray or roll application, and are compatible with a wide array of equipment, including robotic. High solid specific characteristics could save the painting cycles in labor cost and paint material cost. Finally it could minimize the maintenance cost of the owner and extend the maximum service life of any investment. LT 180 system produces an excellent balance of performance properties that deliver long term, low maintenance asset protection in any operating environment including desert, on shore and offshore.</p> <p>LT180 是双组分空气自干型高固态氟碳涂料, 具有非常优异的耐老化性能以及保色性。无需额外的厚度就可以保证绝佳的光滑性及保护性。LT180 具有极佳的施工性, 可采用多种喷涂, 包括机器人, 以及滚涂方式。高固体含量可以最大的节省施工周期和施工成本。最后 LT180 凭借卓越的性能可以最大程度的减少维护成本并提高投资收益比。LT180 产品平衡优异的性能及简便的施工工艺, 可完美保护各种机械结构在恶劣环境下长期、高效、低成本的运行。</p>
Product purpose 产品用途	<p>This product has extensive usage, recommended for large mechanical equipment and steel structures demanding for great appearance and protection. 本产品用途广泛, 通常推荐用于外观和防护性能要求很高的大、中型的机械设备和钢结构。</p>
Product character 产品特性	<ul style="list-style-type: none">❑ Higher fluorine containing in formula 高氟含量配方❑ Excellent protection performance with long term durability and weathering resistance 可提供持久的优异防护性能以及抗老化性能❑ Low surface energy, good decontamination and easy clean properties 低表面能, 好的去污能力并容易清洁❑ Resistant to splash of mineral and vegetable oils and mild chemicals 能抵抗矿物油、植物油和低腐蚀性化学品的溅污

- ☐ Unlimited overcoating
无最大复涂间隔时间限制
- ☐ Tested to 2500 hours of artificial aging test without any color changing
2500 小时人工加速老化试验无任何颜色变化
- ☐ Recommended dry film thickness: 30-40μm
推荐干膜厚度: 30-40 微米
- ☐ Theoretical spreading rate @ DFT 40μm: 16m²/L
理论涂布率 (40 微米干膜厚度): 16m²/L
- ☐ VOC: 430 g/l (3.6lb/gal)
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Related products 配套产品

- ☐ LH180-20 Hardener-standard LH180-20 固化剂-标准
- ☐ LN180-20 Thinner -Standard LN180-20 稀释剂-标准

Surface treatment 表面处理

- ☐ Substrate should be oil, grease and dust free with dried condition. It is better to treat the substrate with degreasing, de-rusting and phosphating process before applying the paint.
要求被涂物件表面无油、无尘、干燥, 最好经过除油、除锈、磷化等良好的前处理。

Application process 施工流程

Application methods 施工方法	Conventional spray 手工喷涂
Volume Solid Content 体积固体含量	56 ± 2%
Hardener 固化剂	LH180-20
Thinner 稀释剂	LN180-20
Mixing ratio (colors : hardener) (by volume) 混合比例(色漆 : 固化剂)(体积比)	91 : 9
Pot life 混合使用时间	5 Hrs/小时
Spray viscosity 喷涂粘度(DIN4, 20°C)	30-60 S/秒
Spray distance 喷涂距离 (cm/厘米)	15-25
Spray nozzle 喷涂口径 (mm/毫米)	1.5~2.5
Pressure 喷涂压力 (Mpa)	0.4~0.6
Flash-off 层闪时间	5 min/分钟
Flow time 流平时间	10 min/分钟
Curing conditions 固化条件	Air drying 自然干燥 (25°C) Dust-free: 180 min 表干: 180 分钟; Dry through: 20 Hrs 实干: 20 小时;

Important notes 注意事项:

- ☐ Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, cross spray at right angles to first pass.
应平行、均匀的喷涂, 并保证 50% 的压枪以保证避免出现针孔、漏涂等。如果需要, 可在垂直方向

再喷涂一次。

- ❑ Coatings should be mixed sufficiently once opened. Clean the remainder with thinner and pour them together into mixing container to avoid color variation caused by pigment settling.
涂料开罐后应充分搅拌均匀, 罐底残漆应用稀释剂洗净一并混入调漆罐中, 以防颜料沉底引起的色差。
- ❑ Filter thinner with 200 mesh strainer before using to get rid of impurity if any
稀释剂使用前须用 200 目滤网过滤, 以除去可能混入的杂质。
- ❑ The pot life will be 5 hours once the hardener had been added. Please use it up within the time.
色漆与固化剂混合后, 活化时间为 5 小时, 故应在规定时间内用完。



本产品仅供专业人员使用。

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