



## Korethan Topcoat UT6581 (Two-component)

<b>Product Description</b> 产品描述	A two-component, quick drying type, polyurethane resin based finish coat with very good resistance against splash and spillage of acids, alkalis, solvents, salts and water. It also has outstanding weather resistance and color retention. UT6581 是一种双组份快干型聚氨酯甲酸乙酯树脂基面漆。具有很好的耐酸, 碱, 溶剂, 盐份和水等溅液的性能。同时具有突出的耐候性和颜色持久性。
<b>Recommended Use</b> 推荐用途	As a finish coat for use on steel or concrete structure under severe chemical or weathering corrosion condition at chemical processing, petrochemical and similar industries such as marine tank, waste treatment equipment. 作为严酷化学腐蚀或气候侵蚀环境中钢材或混凝土结构的面漆, 例如化学处理, 石化行业和类似工业设施如船舶舱室, 废物处理设备。

### Physical Properties 物理性质

<b>Finish and Color</b> 外观及颜色	High gloss. White, Yellow, Green, Black etc. * For more available color, consult with KCC's business department. 高光. 白色, 黄色, 绿色, 黑色. * 其它更多颜色, 咨询KCC营业部。
<b>Specific Gravity</b> 比重	Approx. 1.2 for Mixture of Base and Curing agent. 混合后, 约1.2
<b>Solids by Volume</b> 体积固体份	Approx. 55 % (Determined by ISO 3233) 约 55% (根据 ISO 3233)
<b>Theoretical Spreading Rate</b> 理论涂布率	11.0 m <sup>2</sup> /L in 50 μm dry film thickness on a smooth surface. 光滑表面上, 干膜厚度为50μm时, 则理论涂布率为11.0m <sup>2</sup> /L.
<b>Flash Point</b> 闪点	Base [ UT6581 PTA ] : 29°C / 84°F (Closed cup) Curing Agent [ UT6581 PTB ] : 38°C / 100°F (Closed cup) 主剂 [ UT6581 PTA ] : 29°C / 84°F (密闭杯) 固化剂 [ UT6581 PTB ] : 38°C / 100°F (密闭杯)
<b>VOC</b> 挥发性有机化合物	Max.410g/L (Determined by ISO 11890-1) 最大410g/L (根据 ISO 11890-1)

### Application Details 涂装指南

<b>Surface Preparation</b> 表面处理	Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc. 涂装前使用适当方法例如溶剂清洁和淡水冲洗等清除待涂装表面所有油, 脂, 灰尘和其它污染物。
<b>Preceding Coat</b> 前道涂层	Korepox EH2350, Korepox EH2351, Korepox H.B. EH6270, or according to specification. Korepox EH2350, Korepox EH2351, Korepox H.B. EH6270或根据规范。

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<b>Application</b>	Spray (Airless or Air), Roller or Brush application.																		
<b>Method</b>	For airless spray application ;																		
<b>施工方法</b>	Nozzle orifice : 381 $\mu\text{m}$ ~ 533 $\mu\text{m}$ (0.015" ~ 0.021") Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 40° ~ 60° (Airless spray data are indicative and subject to adjustment) 辊涂, 刷涂, 喷涂(有气或无气) 施工. 无气喷涂 ; 喷嘴口径 : 381 $\mu\text{m}$ ~ 533 $\mu\text{m}$ (0.015" ~ 0.021") 喷嘴压力 : 11.7 MPa ~ 15.2 MPa 扇 面 : 40° ~ 60° (无气喷涂的有关数据可根据指导进行调整)																		
<b>Mixing</b>	Base (Part A) : Curing Agent (Part B) = 7: 1 (by volume)																		
<b>混合</b>	Mix thoroughly together prior to application in the proportions with power agitator as delivered. 主剂 : 固化剂 = 7 : 1 (体积比) 施工前按比例混合使用动力搅拌器充分搅拌.																		
<b>Thinning</b>	Thinner No. 0624, No. 037U																		
<b>稀释</b>	Thinning Ratio : Max. 10% (by volume) * Do not dilute each component separately * Please consult the KCC TSD for advice in severe conditions. 稀释剂 No. 0624, No. 037U 稀释比例: 最大10% (体积比) *不要单独稀释各组份. *在恶劣条件下, 请咨询KCC TSD																		
<b>Application Conditions</b>	The surface should be adequately clean and dry. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 3 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation. 涂装表面应完全清洁和干燥. 相对湿度不能超过85%, 表面温度至少高于露点3℃(5°F)避免结露. 封闭空间作业时提供清洁流通空气以助于溶剂挥发.																		
<b>Typical Film Thickness</b>	40 ~ 50 $\mu\text{m}$ dry. Depending on the purpose and the area of use, different film thickness may be applied. 干膜厚度40~50 $\mu\text{m}$ . 干膜厚度根据使用用途及部位而异.																		
<b>Drying Time</b>																			
<b>干燥时间</b>	<table><tr><th>Substrate temperature 底材温度</th><th>5 °C/41 °F</th><th>20 °C/68 °F</th><th>30 °C/86 °F</th></tr><tr><td>Set to touch 触干</td><td>7 h 7小时</td><td>2 h 2小时</td><td>1 h 1小时</td></tr><tr><td>Dry to hard 硬干</td><td>24 h 24小时</td><td>12 h 12小时</td><td>9 h 9小时</td></tr><tr><td>Dry through 完全干</td><td>48 h 48小时</td><td>24 h 24小时</td><td>18 h 18小时</td></tr></table>			Substrate temperature 底材温度	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F	Set to touch 触干	7 h 7小时	2 h 2小时	1 h 1小时	Dry to hard 硬干	24 h 24小时	12 h 12小时	9 h 9小时	Dry through 完全干	48 h 48小时	24 h 24小时	18 h 18小时
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* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc. *这些是在标准化条件下进行的实验室测试的结果. 因此, 实际时间可能会因天气、风和湿度等																			

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环境情况而有所不同.

**Subsequent Coat**  
**后续涂层** According to specification.  
根据规范.

**Pot Life**  
**适用期** 4 h at 20 °C/68 °F  
4小时于20°C/68°F

**Recoating Interval**  
**复涂间隔** At 20 °C / 68 °F, Minimum : 12 h  
Maximum : Free

Before overcoat, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

在20°C/68°F, 最短 : 12小时

最长 : 无限制

复涂之前采用适当的清洁方式, 例如溶剂清洗和/或淡水冲洗彻底清洁前道涂层表面, 去除油份, 盐份, 粉化物质和其它污染物.

**Heat Resistance**  
**耐热性** Continuous : 93 °C/200 °F (Non-immersion service)  
Non-continuous : 121 °C/250 °F (Non-immersion service)  
连续的 : 93°C/200°F (非沉浸区)  
间断的 : 121°C/250°F (非沉浸区)

### Storage and package 储存和包装

**Shelf Life**  
**有效期限** UT6581PTA (Part A, Base) : 12 months (at 23°C/73.4°F)  
UT6581PTB (Part B, Curing agent) : 12 months (at 23°C/73.4°F)  
UT6581PTA (Part A, 主剂) : 12个月(在23°C/73.4°F)  
UT6581PTB (Part B, 固化剂) : 12个月 (在23°C/73.4°F)

**Standard Packing**  
**Unit**  
**标准包装规格** 18L [ UT6581 PTA : 15.75L, UT6581 PTB : 2.25L ]  
18升 [ 主剂 : 15.75升, 固化剂 : 2.25升 ]

### Remarks 备注

**Note**  
**注意** Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.  
Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation.  
Adequate ventilation with clean air should be maintained during application and curing to assist solvent evaporation.  
Respiratory protection is recommended when applying this product in confined spaces or stagnant air.  
不要储存在温度低于5°C/41°F 或高于40°C/104°F环境中.  
保护皮肤和眼睛避免直接接触液态涂料, 避免长时间呼吸溶剂蒸汽.通风要充分.  
在使用和固化过程中, 应保持足够的通风和清洁空气, 以帮助溶剂蒸发.  
在封闭空间或空气不流动场所涂装时, 推荐戴好有效呼吸保护装置.

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