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本资料由 **锐亿奇工业科技（上海）有限公司** 整理提供，仅供客户选型参考，具体性能参数以原厂最新版本为准
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Yeolcoat
QT606

Product Description
产品描述

A pure silicone resin based heat resistant paint containing inorganic pigments. After curing, the coating is very good resistant to thermal shock conditions from ambient temperature to 600 ℃/1112 ℉, and provides excellent rust-preventing property.
Also, it has outstanding electric insulation and resistance to weathering.
QT606 是一种是含无机颜料纯硅树脂基耐热漆. 固化后涂层有很好的耐热冲击性从表面温度至600℃/1112℉, 同时可提供优异的防锈蚀性能.
也具有突出的电绝缘性和耐候性.

Recommended Use
推荐用途

As a heat resistant paint for use on stove, motor, boiler, heater, ship's engine, muffler, ventilator, steam lines and similar thermal implements operating from ambient temperature to 600 ℃/1112 ℉.
作为耐热油漆可施工于炉具, 发动机, 锅炉, 加热器, 船舶发动机, 消声器, 通风器, 蒸气管路和类似的运行环境温度高至600℃/1112℉下的承热器具.

Physical Properties 物理性质

Finish and Color
外观及颜色

Flat. Silver (9180), Black (1999), Grey
平光. 银色 (9180), 黑色 (1999), 灰色.

Drying Time
干燥时间

Substrate temperature 底材温度	5 ℃/41 ℉	20 ℃/68 ℉	30 ℃/86 ℉
Set to touch 指触干	4 h 4小时	1 h 1小时	30 m 30分钟
Dry to hard 硬干	24 h 24小时	10 h 10小时	8 h 8小时

* For full hardness, the coating should be exposed in service at temperature of 200℃/392℉ over 1 hour time period.
* 完全硬化, 涂层需暴露于200℃/392℉下超过一小时

Solids by Volume
体积固体份

Silver : Approx. 36 % (Determined by ISO 3233),
Black : Approx. 26 % (Determined by ISO 3233),
Grey : Approx. 40 % (Determined by ISO 3233)
银色 : 约 36% (根据 ISO 3233)
黑色 : 约 26% (根据 ISO 3233)
灰色 : 约 40% (根据 ISO 3233)

VOC
挥发性有机化合物

595g/L
595g/L

Theoretical Spreading Rate
理论涂布率

Silver : 18.0 ㎡/L, Black : 13 ㎡/L, Grey : 20 ㎡/L in 20 ㎛ dry film thickness on a smooth surface.
光滑平面上,干膜厚度为20㎛时, 理论涂布率为银色: 18.0㎡/L, 黑色: 13㎡/L, 灰色: 20㎡/L.

Specific Gravity
比重

Silver : 1.33, Black : 1.21, Grey : 1.75
银色 : 1.33, 黑色 : 1.21, 灰色 : 1.75

Flash Point
闪点

26 ℃/79 ℉ (Closed cup)
26℃/79℉ (密闭杯)

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Application Details 涂装指南

Surface Preparation
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.
* Steel : Blast cleaning to Sa 2.5 or Power tool cleaning to St3, 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.
* 钢材: 喷砂清洁至Sa2.5或动力工具清洁至St3.

Application Conditions
施工条件

The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 ℃ (5 ℉) 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2.7℃(5℉)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.

Preceding Coat
前道涂层

May be applied directly to the well cleaned surface.
Yeolcoat Primer QP160 or according to specification.
可直接施工于经良好清洁的表面.
Yeolcoat Primer QP160 或根据规范.

Thinning
稀释

Thinner No. 002 or 029K
稀释剂 No. 002 或029K.

Application Method
施工方法

Spray (Airless or Air) or Brush application.
For airless spray application ;
Nozzle orifice : 330 ㎛ ~ 381 ㎛ (0.013″ ~ 0.015″)
Output pressure : 11.7 MPa ~ 15.2 MPa
Fan : 60 º
(Airless spray data are indicative and subject to adjustment)
喷涂 (有气或无气) 或刷涂.
无气喷涂 ;
喷嘴口径 : 330㎛ ~ 381㎛ (0.013″ ~ 0.015″)
喷嘴压力 : 11.7 MPa ~ 15.2 MPa
扇 面 : 60º
(无气喷涂的有关数据可根据指导进行调整)

Typical Film Thickness
典型漆膜厚度

20 ~ 25 ㎛ dry.
Depending on the purpose and the area of use, different film thickness may be applied.
干膜厚度20~40㎛.
干膜厚度根据使用用途及部位而异.

Recoating Interval
复涂间隔

At 20 ℃/ 68 ℉, Minimum : 1 h
Maximum : Free

Before overcoating, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning methods such as solvent cleaning and/or fresh water washing.
在20℃/68℉, 最短 : 1小时

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最长 ： 不限制
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.

Shelf Life
有效期限

12 months
12个月

Heat Resistance
耐热性

Continuous ： 600℃/1112 ℉ (Non-immersion service)
连续的 ： 600℃/1112℉ (非沉浸区)

Chemical Resistance
耐化学性

	Acids 酸	Alkalis 碱	Solvents 溶剂	Salts 盐	Water 水
Splash & Spillage 溅液	Fair 一般	Poor 差	Good 好	Good 好	Good 好
Fumes 烟雾	Fair 一般	Fair 一般	Good 好	Good 好	Good 好

Standard Packing Unit
标准包装规格

4L，18L，20L.
4升，18升，20升.

Remarks
备注

The packing should be turned regularly twice a month to prevent the deposition.
Avoid prolonged breathing of solvent vapors. Use with adequate ventilation.
Respiratory protection is recommended during application in confined spaces or stagnant air.
Keep away from sparks and open flames. Unduly heavy coat result in impaired adhesion.
Although this product air dry rapidly, it remain somewhat soft until exposed to heat over 200 ℃/392 ℉, and may be susceptible to mechanical damage.
However, it is unaffected by moderate term weather exposure.
Unduly heavy coat result in impaired adhesion.
Keep the recommended dry film thickness.
每月定期两次将包装翻转放置防止沉积.
避免长时间呼吸溶剂挥发蒸汽. 通风要充分.
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.
远离火花和明火. 过度厚重涂层会削弱附着力. 保持推荐的涂层厚度.
尽管此产品遇空气干燥很快，但仍然会有些软除非暴露于200℃/392℉环境下，同时可能易受机械损伤.
然而中度气候环境下不受影响.
过厚的涂层会导致附着力下降.
使用推荐的干膜厚度.

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