



ECO-SILK

Zero VOC Luxury Sheen Interior Paint



Why Deionized Water ? 为什么漆料在配制过程中 要用去离子水？

Tested by SETSCO Singapore





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Why Deionized Water?

Whether a paint is good or not? having any unpleasant odour? This is highly dependant on the quality of water used in making the paint.

Paint is a suspension or colloid. Each of the raw materials is dispersed in the water by using dispersing agent. Currently most of the local paint manufacturer using the tap water or the ground water to produce the paint. The quality of the water has a direct impact to the quality of paint

In the deionized chamber, all the ions will be removed, hence it will prolong the storage of the paint.

为什么漆料在配制过程中要用到去离子水?

漆料好不好? 有没有异味? 其中很大的原因就要看漆料在配制的过程中用的是什麼水? 水是水性乳胶漆涂料的重要组成成分, 单位重量的涂料中, 水的比例占到约40%以上。漆料是一种悬浮物, 各种物质在水中通过充分分散后, 靠乳化剂、分散剂的作用悬浮在水中。目前, 本地各漆料厂生产涂料用水均为用自来水或地下水直接生产。水质的不同对漆料产品质量性能有着直接的影响。

去离子水设备将水中的各种离子去除干净, 使涂料的储存更长久。



- Pigment 颜料
- Binder 树脂
- Additive 添加剂
- Extender 填充剂

Waterbase Paint
水性漆料成分





Deionization involves the passage of water through ion exchange material which removes ions such as calcium and flouride and replace them with hydrogen or hydroxly ions which then reform to make pure water molecules.

在去离子的过程中，将被处理的水将会经过离子交换柱。离子交换树脂将吸附水中所含有的钙，氟化物等（含离子）。氢和羟离子将被排出，之后重新组成净水。



CATIONS are negatively charged particles.
ANOINS are positively charged particles.

● CATIONS	● ANIONS
① Sodium	① Chloride
② Calcium	② Sulfate
③ Iron	③ Nitrate
④ Magnesium	④ Flouride

Deionized Water Process

