

HTG-EC-N01 密封固化剂技术资料

HTG -EC-N01 Concrete Densifier Technical Data

一、材料介绍 Material Instruction

1、产品属性：纳基混凝土密封固化剂，单组份。

Product nature: Sodium concrete densifier, single component

HTG-EC-N01 为无色半透明液体，主要成分是活性硅酸盐，复配有机表面活性剂，防水改性剂和渗透促进剂。

HTG-EC-N01 is the colorless semi-transparent liquid. Main ingredients: Active silicate, with organic surface active agent, waterproof modifier and penetration enhancer inside.

2、产品特点：Product features

好泰克 **HTG-EC-N01** 密封固化剂无毒、无味、不燃，符合 VOC 环保要求。它是一种优质的混凝土密封固化剂，经由独特的配方制造而成。它的专业化学活性物质能够穿透混凝土表面，与游离态的氧化钙等物质发生反应，生成硅酸钙水合物（C-S-H），大幅度提高了混凝土的强度和硬度。这些性质稳定的硅酸钙化合物填充着混凝土中的毛细孔，大大增加了混凝土的抗化学腐蚀能力，达到了密封和防尘的作用。

High Tech Grinding HTG-EC-N01 concrete densifier is non-toxic, odorless and non-ignitable, meet the VOC's environmental requirement. With Xingyi's unique prescription, the professional chemical reactive substance in this high quality densifier can penetrate the surface and react with the free calcium oxide, thus generating the calcium silicate hydrate (C-S-H) and increasing the concrete strength and hardness greatly. The stable calcium silicate hydrate will fill the concrete pores to increase the anti-chemical corrosion ability and make concrete sealed and dust-proof.

3、适用范围：Application range

适用范围全面，凡有耐磨、无尘、增加强度、抗渗、耐用、易清洁要求的混凝土类地坪都可使用。

Comprehensive application for concrete where surface requires to be wear-resisitant, dust-free, high intensity ,impervious,durability, and easy to be cleaned.

4、施工特点：Construction features:

1）新地面：施工结束后用水养护 7-14 天以上才可进行硬化地坪施工。

New concrete: After 7-14days' concrete curing time, the densifier can be applied.

2）旧地面：任何时间都可以，但需要清洗晾干或表面用机器打磨过后使用。

Old concrete: Anytime, while the surface needs to be cleaned and dried or polished by the grinding machine.

High Tech Grinding Concrete Shinningflat System

二、混凝土地坪硬化施工方法: **Concrete hardening process**

1、清洁地面: 使用专业推尘工具或洗地车将地面的垃圾、浮灰清理干净。若地面有成膜固化的养护膜或者地坪涂料, 要先用机器打磨除去后方可施工。

Surface cleaning: Clean the garbage, dust on the surface with pusher or cleaning machine. Should there are coatings on the surface, remove them with grinding machines.

2、局部修补: 对于破损处配合地坪修补剂进行局部修补。

Partial repair: Repair the partial cracks with Repairing Adhesive.

3、粗磨地面: 混凝土金属磨片 HTG-2T-2Y 30# 60# 120#依次配地坪研磨机对混凝土地面进行粗磨。根据地坪基础状况决定金属磨片起磨号数, 目的是把混凝土地坪研磨平整。

Rough grinding: Grind the surface with Metal Pads HTG-2T-2Y 30# 60# 120# by grinding machine. The start grit will be choosed by the surface condition. Function of this process is to level the concrete and make it even.

4.细磨地面: HTG-C310 混凝土树脂片 50#100#依次进行混凝土地坪细磨。

Fine polishing: Polishing with resin pads HTG-C310 50# 100# accordingly.

5.按 HTG-EC-N01 剂: 水=1: (1-2) 的比例对 HTG-EC-N01 剂进行稀释, 喷涂或滚涂于地面上, 保持浸润 2-4 小时, 期间用人工或机械方法拖动材料以帮助渗透, 确保密封固化剂渗透深度。

Dilute the densifier HTG-EC-N01 with water by ratio 1: (1-2), spray or roll it on the surface and keep the surface wet for 2-4hours.

You can use the artificial or mechanical method to roll the surface to help the liquid penetration to make sure the penetration depth.

6、浸泡时间达到要求后, 清洗干净任何残留的 HTG-EC-N01。

After reaching the penetration time requirement, clean the remained densifier HTG-EC-N01.

7、吸净水份, 并晾干地面

Clear the surface water and keep it dry.

8、精磨地面: HTG-C310 混凝土树脂片 200#400#精磨地面。

Fine polishing: Fine polishing with resin pads HTG-C356 200# 400#.

9、抛光地面: 混凝土抛光片 HTG-XZ: 800#1500#抛光地坪, 用尘推推净。

Fine polishing: Fine polishing with resin pads 800# 1500# and clean the surface with dust pusher.

10、上保护剂 HTG-EC-S01: 清除地面灰尘, 待抛光后的地面温度回温, 用喷壶均匀喷洒 HTG-EC-S01 于地面, 不宜过厚, 有薄薄一层即可, 用毛套顺一个方向均匀推开, 待地面半干时, 用高速抛光机 HTG-700HP 配合高速抛光垫 HTG-DIP-HD027: 1500#进行抛光, 此过程转速可调至最高, 行走速度快, 注意不能抛到区域外, 防止外面沙尘反破坏原地面留下划痕

Apply Sealer HTG-EC-S01: Clean the surface dust. When the surface cools down, spray the sealer HTG-EC-S01 on the surface thinly and open evenly with wool mat. While the surface is half-dried, polish with high speed polisher HTG-700HP with buffing pads HTG-DIP-HD027 1500# at highest speed with fast walk. Pay attention not to polish outside your application area to prevent the sand/stone come inside to cause scratches.

特别说明: Particular remark

1、起灰起砂严重的地坪建议使用双组份固化剂，或者在金属磨片 60#以后先上一道单组份固化剂，待树脂磨片 100#再测试硬度，若未达到要求，再上一道固化剂。

For the bad dusting concrete, the A and B two components concrete densifier will be suggested. Apply component A first after metal pads 60# and to test the hardness increasing result after resin pads 100#. Should the hardness does not reach your requirement, harden with B again.

2、在浸泡 HTG-EC-N01 稀释液的过程中一定不能使地面干燥，否则会因为 HTG-EC-N01 中活性成分遇空气反应成膜而严重影响材料的渗透性。

Must keep the surface wet for half an hour at least, or the active component inside the densifier HTG-EC-N01 will react with the air to form a coating and affect the penetration.

3、地坪研磨干磨与湿磨取决于混凝土磨片，和混凝土研磨设备配置，如干磨需配置工业吸尘器，解决研磨中的扬尘问题。

Dry or wet grinding process is determined by the pads and your equipment. Dust extractors will be needed when dry polishing to solve dust flying.

4、地坪研磨抛光的级数与工程验收标准相关，地坪表面光亮度由研磨抛光级数决定。

The grinding polishing grade is related with the acceptance standards, and the surface shiness is determined by the grinding grade.

5、具体工程的施工流程可咨询相关销售顾问。

You can please consult your sales contact window to understand the detail construction process.