



常州东方涂料（尼日利亚）有限公司

CHANGZHOU DONGFANG COATING(NIGERIA)CO.,LTD

产品技术参数 Product Technical Data

HD-6 环氧无溶剂自流平地坪漆

HD-6 Epoxy Solvent-Free Self-Leveling Floor Paint

产品说明

Product Description

由无溶剂环氧树脂、改性脂肪固化剂、颜填料、助剂等组成的双组份地坪漆。不含有机溶剂，无毒不污染环境；涂膜可根据需要由几十微米到几毫米厚；涂料自流平性好，外观平整光滑；漆膜机械性能极好，耐磨，寿命长；耐酸、碱、盐腐蚀，抗溶剂侵蚀。

A two-component floor paint comprised of solvent-free epoxy resin, modified fat curing agent, filler and pigment and additive, etc. It does not contain organic solvent and is non-toxic and environmentally friendly; the film can be dozens of micrometers to several millimeters in thickness based on the demand; the coating has good self-leveling performance with flat and smooth appearance; the film has extremely good mechanical property with abrasion resistance and long life span; it is against acid, alkaline and brine corrosion and solvent etching.

设计用途

Intended Uses

用于要求高度清洁、美观、无尘、无菌的电子、微电子行业实行 GMP 标准的制药行业、血液制品行业、要求耐磨、抗高压、抗冲击，防化学品腐蚀的其他行业，也可用于学校、办公室等地坪。

Used for electronic and microelectronic industries that requires high cleanness, artistic appearance, dust-free and sterility, pharmaceutical and blood product industries that implements GMP standards, and other industries that requires abrasion resistance, high pressure resistance, shock resistance and chemical corrosion resistance. It may also be used for floors of schools and offices.

涂装数据

Coating Data

颜色 Color	白色、灰色等有限范围颜色 white, grey and limited range colors			
光泽 Gloss Level	半光 half matte			
体积固体份 Volume Solids	100%			
典型厚度 Typical Thickness	干膜厚 300-600 微米 dry film thickness of 300-600 microns.			
理论涂布率 Theoretical Coverage	在 400 微米干膜厚度情况下, 2.5 平方米/公升 2.5 m ² /L at the dry film thickness of 400 microns.			
实际涂布率 Practical Coverage	允许适当的损耗系数 allow proper loss coefficient			
施工方法 Method of Application	无气喷涂, 刷涂, 滚涂 airless spraying, brush coating, roller coating			
干燥时间	推荐面漆重涂间隔			
Drying time	Overcoating interval with self			
温度	表干	硬干	最小	最大
Temperature	Touch Dry	Hard Dry	Minimum	Maximum
10°C	16 小时/ hours	36 小时/ hours	36 小时/ hours	10 天/days
15°C	12 小时/ hours	24 小时/ hours	24 小时/ hours	2 天/days
25°C	8 小时/ hours	18 小时/ hours	18 小时/ hours	1 天/days
40°C	5 小时/ hours	10 小时/ hours	10 小时/ hours	12 小时/ hours

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated :1.43 kg/L				
包装规格 Pack Size	包装规格 Unit Size	A 组份 Part A		B 组 Part B	
	20 公升 litre	体积 Vol	包装 Pack	体积 Vol	包装 Pack
		15 公升 litre	20 公升 litre	5 公升 litre	5 公升 litre
关于可提供的其它包装规格, 请与我们联系。 For availability of other pack sizes, please contact us.					
贮存 Storage	贮存期限 Shelf Life	在 25° C 时, 至少为 12 个月。此后应在检查后再使用。贮存于干燥、阴凉的环境之中, 远离热源及火源。 12 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.			

表面处理

Surface treatment

混凝土和砖石

Concrete and Masonry

混凝土强度不低于 20MPa。所有的表面都应该是干净的, 没有污渍、固化化合物、脱色剂、风化、油脂、油污、污垢、有机生长物、旧涂层和松散或崩解的混凝土。光滑的表面应采用高压水射流或类似的技术进行粗

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本产品说明书取代以前的版本, 产品技术说明书应与安全技术说明书及施工指导一起阅读。也可查询我们的网站: www.dongfangcoating.com 或电话联系+234 8142485508,+234 9030009201

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化处理。

Concrete should have a minimum strength of 20MPa. All surfaces should be clean and free from laitance, curing compounds, release agents, efflorescence, grease, oil, dirt, organic growth, old coatings and loose or disintegrating concrete. Smooth surfaces should be roughened, using high pressure water jetting or similar techniques.

沉淀物最好用行星式金刚石圆盘研磨机去除，或在真空清洗后进行自动喷砂以去除粉尘碎片。对于旧混凝土，应由当地技术代表进行实地考察，以评估条件并提供适当的表面处理办法。

Laitance deposits are best removed by planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris. For old concrete, a site visit by the local technical representative should be undertaken to assess the condition and provide an appropriate surface preparation method.

施工说明

Construction description

混合 mixing

本产品分两罐装，组成一个单元。使用时应按规定比例成对一次性混合。一经混合，必须在规定的混合寿命内使用。

This product is filled in two cans which form a unit. When being used, they shall be mixed in pairs by the prescribed proportion. Once they are mixed, it must be used within the specified mixing life.

(1) 采用动力搅拌器搅拌基料（A 组分）。

(1) Stir base materials (component A) with a power stirrer.

(2) 将全部固化剂（B 组分）和基料（A 组分）混合，并采用动力搅拌器彻底搅拌。

(2) Mix all curing agents (component B) and base materials (component A) and thoroughly stir with a power stirrer.

混合比例 Mixing ratio

15 : 5 体积比 by volume

混合使用寿命 Mixing service life

10°C 15°C 25°C 40°C

2 小时/hours 90 分钟/minutes 60 分钟/minutes 30 分钟/minutes

推荐施工方法

Recommended construction method

无气喷涂 喷嘴直径 0.53-0.66 毫米喷嘴处的油漆总压力不低于 211 千克/平方厘米

Airless spraying: nozzle diameter: 0.53-0.66 mm; the total paint pressure at the nozzle shall not be less than 211 kg/cm².

稀释剂 thinner

不适用

Not applicable

作业暂停

Operation suspension

勿要让涂料保留在漆管、喷枪或喷涂设备中。采用环氧专用稀释剂彻底冲洗所有设备。油漆混合后不宜重新密封，如果工作中断时间过长，建议重新混合一组新的油漆进行施工。

Do not retain paint in the paint tube, the spray gun or the spraying equipment. Rinse all equipment thoroughly with Epoxy thinner. It is not recommended to reseal the paint after mixing. If the work is interrupted for too long time, it is recommended to remix a set of paints for construction.

清洗

Cleaning

所有设备在使用后，应立即采用环氧稀释剂进行清洗。在日常工作过程中定时冲洗喷涂设备，是一个良好的习惯。清洗频率取决于喷涂量、温度、喷涂时间，包括中断的时间等因素。

All equipment shall be cleaned immediately with epoxy thinner after use. It is a good habit to wash the spraying equipment regularly in daily work. The cleaning frequency depends on quantity of spray, temperature and spraying time, including interruption time and other factors.

剩余漆料和空罐均应根据有关的地区法规处理

Residual paint and empty cans shall be disposed in accordance with the relevant regional regulations

产品特性

Product characteristics

使用前应参考详细的 HD-6 应用指南。

The detailed HD-6 application guidelines should be consulted prior to use.

强烈建议只有经过正确使用产品培训的专业人员才能进行应用和应用监督。

It is strongly advised that both application and application supervision is only carried out by professional personnel who have been trained in the correct use of the products.

有关干膜厚度和涂层数量的确切规格将在应用开始之前由常州东方涂料尼日利亚有限公司提供。

The exact specification with regards to dry film thickness and number of coats will be provided by CHANGZHOU DONGFANG COATING (NIGERIA) CO., LTD. prior to application start up.

在使用多层涂层系统的情况下，通过保持涂层间隔尽可能短，可以获得最佳的涂层间附着力。

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Where multi-coat systems are to be used, optimum intercoat adhesion is best achieved by keeping the overcoating interval as short as possible.

直到薄膜完全固化，才能达到最大的耐化学性。固化是温度、湿度和薄膜厚度的函数。通常，干膜厚度为 300 微米的薄膜在 25° C 下，在 7-10 天内可以完全固化，达到最佳的耐化学性。固化时间按比例在高温下较短，在低温下较长。

Maximum chemical resistance is not attained until the film has completely cured. Cure is a function of temperature, humidity and film thickness. Normally films at 300 microns dry film thickness will exhibit full and complete cure for optimal chemical resistance in 7-10 days at 25°C. Curing times are proportionately shorter at elevated temperatures and longer at lower temperatures.

与所有环氧树脂一样，HD-6 在外部暴露时会白垩和变色。然而，这些现象并不会损害耐化学性能。

In common with all epoxies HD-6 will chalk and discolor on exterior exposure. However, these phenomena are not detrimental to chemical resistance performance.

混凝土在涂装前应至少固化 28 天。混凝土含水率应低于 6%。所有表面应清洁、干燥，无固化化合物、脱模剂、刮擦化合物、表面硬化剂、风化、油脂、油、污垢、旧涂层和松散或崩解的混凝土。所有浇筑和预制混凝土也必须进行喷扫(首选)或酸蚀以去除污垢。

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitance.

系统配套性

System compatibility

建议 HD-6 无溶剂环氧地坪漆使用以下底漆/中间漆：HD-1 纯环氧封闭漆。

It is recommended that the following primers/intermediate paints be used together with HD-6 solvent-free epoxy floor paint: HD-1 pure epoxy seal paint.

还可提供其他油漆配套使用，请向常州东方涂料尼日利亚有限公司咨询。

Other paints are also provided for compatible application. Please consult with CHANGZHOU DONGFANG COATING (NIGERIA) CO., LTD.

安全注意事项

项

Safety precautions

本产品旨在仅由工业领域中的专业施工人员按照本手册，材料安全数据手册和包装容器上所给定的建议进行施工，未经查阅常州东方涂料尼日利亚有限公司为其客户提供的材料安全数据手册（MSDS），不应使用本产品。

This product shall be used by professional coating workers on the production site in accordance with the recommendations in this manual, the material safety data sheet and the instructions on the packaging containers. This product shall not be used without consulting the material safety data sheet (MSDS) provided by CHANGZHOU DONGFANG COATING(NIGERIA)CO.,LTD. to its customers.

所有于施工和使用本产品有关的工作，都必须根据各种有关的国家卫生、安全和环保标准与法规进行。

All work related to the construction and use of the product must be carried out in accordance with the relevant national health, safety and environmental standards and regulations.

如果需要在涂有本产品的金属上进行焊接或火焰切割，会产生粉尘和烟雾，因此需要用合适的个人防护设备及充分的局部通风措施。

If welding or flame cutting is required on the metal coated with the product, dust and smoke will be generated. Therefore, appropriate personal protective equipment and adequate local ventilation will be required.

如果对本产品的适用性存在疑惑，请向常州东方涂料尼日利亚有限公司咨询。

If there is any doubt about the applicability of this product, please consult with consult with CHANGZHOU DONGFANG COATING (NIGERIA) CO., LTD

重要说明

Important explanation

产品说明书中所提供的资料并非详尽无遗，任何人因任何目的，未首先经我们书面确认而使用本说明书特别推荐以外的任何产品，则自行承担产品对其预期目的适用性这一风险。虽然我们的最佳认知，对产品所提供的建议或声明（无论在本说明书中或以其他方式提供的）均正确无误，但我们无法控制底材的质量或状况或影响该产品使用和应用的多种因素。因此，除非我们书面特别同意这种做法，否则我们对于所生产的任何产品性能问题，或因使用产品而导致的损失或损坏概不负责（在法律允许的最大范围内）。在此，我们不承担通过法律运作或其他方式的任何明示或暗示的担保或陈述包括但不限于暗示的适销性担保或针对特定用途的适用性的担保。所有供应的产品及提供指导受我们的标准销售条款和条件支配。您应要求获取本文件的副本并仔细阅读。本产品说明书所包含资料将根据经验及我们发展的政策随时进行修改。在使用产品前，与当地代表一起检查所持产品说明书为最新版本是客户的职责。

The information provided in the product manual is not exhaustive. Any person who uses any product other than those specifically recommended in this manual for any purpose without our written confirmation shall be at the risk of the product's suitability for its intended purpose. Although all suggestions or statements made about the product (whether in this manual or otherwise) are correct in our best understanding, we cannot control the quality or condition of the substrate or the factors affecting the use and application of the product. Therefore, we shall not be liable (to the maximum extent permitted by law) for any performance problem of the products or any loss or damage caused by the use of the products unless we specifically agree to such practice in writing. We hereby disclaim any express or implied warranties or representations, whether by legal operation or in other ways, including but not limited to implied warranties of merchantability or fitness for a particular purpose. All supplied products and instructions are subject to our standard sales terms and conditions. You should request a copy of this document and read it carefully. The information contained in this product manual will be modified from time to time according to experiences and our development policy. It is the customer's responsibility to check the latest version of the product manual with the local representative before using the product.

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