



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

H53-86 环氧玻璃鳞片防腐漆

H53-86 Epoxy Glass Flake Anticorrosive Paint

产品说明

Product Description

这是一种双组分、高固体份、低 VOC 含量厚浆型环氧树脂底漆/中间漆或面漆，采用高比例耐化学玻璃鳞片进行强化，增强耐久性和耐腐蚀性能。

This is a two-component, high-solids, low-VOC thick paste epoxy resin primer/intermediate or top coat reinforced with a high proportion of chemically resistant glass scales for durability and corrosion resistance.

设计用途

Intended Uses

用于保护处于各种腐蚀环境中的钢结构，包括：海上结构物的飞溅区域、甲板下、甲板和水上区域、桩结构、造纸厂、桥梁及化工厂。

Used to protect steel structures in a variety of corrosive environments, including: splash areas of offshore structures, below deck, deck and water areas, pile structures, paper mills, Bridges and chemical plants.

可为新建结构物及维修保养提供杰出的长期耐腐蚀和耐磨保护作用。

It can provide excellent long-term corrosion and wear resistance for new structures and maintenance.

涂装数据

Coating Data

颜色 Color	有限范围颜色 limited range colors			
光泽 Gloss Level	半光 half matte			
体积固体份 Volume Solids	85±2%			
典型厚度 Typical Thickness	干膜厚 300-500 微米 dry film thickness of 300-500 microns.			
理论涂布率 Theoretical Coverage	在干膜 300 微米的情况下，2.83 平方米/公升 2.83 m ² /L at the dry film thickness of 300 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	空气喷涂，无气喷涂，滚涂 air spraying, airless spraying, brush coating, roller coating			
干燥时间	推荐面漆重涂间隔			
Drying time	Overcoating interval with finish			
温度	表干	硬干	最小	最大
Temperature	Touch Dry	Hard Dry	Minimum	Maximum
10°C	15 小时/ hours	36 小时/ hours	36 小时/ hours	4 天/days
15°C	12 小时/ hours	24 小时/ hours	24 小时/ hours	4 天/days
25°C	8 小时/ hours	18 小时/ hours	18 小时/ hours	2 天/days
40°C	5 小时/ hours	8 小时/ hours	8 小时/ hours	1 天/days

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated : 1.46 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
		15.5 公升 litre	20 公升 litre	4.5 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

该产品的性能取决于表面处理的程度。待涂表面必须清洁、干燥且无污染物。在施工油漆前，所有表面应按照 ISO 8504:2000 标准进行评估和处理。

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

堆积的脏物和可溶性盐类必须除去。堆积的脏物通常适于采用干鬃毛刷刷去。可溶性盐类则应采用淡水冲洗除去。

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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

This product manual replaces the previous version. The product technical manual should be read together with the safety technical manual and construction instruction. Also check out our website:www.dongfangcoating.com Or call +234 8142485508,+234 9030009201



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Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

油和油脂应按照 SSPC-SP1 溶剂清理标准除去。

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

喷射处理 Abrasive Blast Cleaning

喷砂清理至 Sa2½ (ISO 8501-1:2007) 或 SSPC-SP6 标准。如果在喷砂清理与施工 H53-68 之间，已发生氧化现象，表面应再行喷砂清理至规定的目视标准。

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of H53-68, the surface should be reblasted to the specified visual standard.

喷砂清理过程暴露出来的表面缺陷，应打磨、填没或采用其它合适的方法进行处理。

Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

建议表面粗糙度为 50-75 微米。

A surface profile of 50-75 microns (2-3 mils) is recommended.

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 : 4.5 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 0.53-0.79 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: 0.53-0.79mm; the total paint pressure at the nozzle shall not be less than 211 kg/cm².

稀释剂 thinner

环氧稀释剂

Epoxy thinner

作业暂停

Operation suspension

勿要让涂料保留在漆管、喷枪或喷涂设备中。采用专用环氧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



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产品特性

Product characteristics

使用前，应查阅详细的 H53-86 施工程序。

Please refer to the detailed application procedure for H53-86 before use.

H53-86 通常规定为两道涂层漆系，每道涂层的厚度为 400 微米，漆系的总干膜厚度为 800 微米。总干膜厚度的确切规格取决于最终用途的具体要求。

H53-86 is a two-coating paint system. The thickness of each coating is 400 microns, and the total dry film thickness of the paint system is 800 microns. The exact specification of the total dry film thickness depends on the specific requirements for the end use.

被涂表面温度必须至少高于露点温度 3℃。

The coated surface temperature must be at least 3℃ above the dew point.

钢材温度低于 10℃ 的条件下施工会导致干燥时间延长。施工和固化期间的相对湿度不应高于 80%。

If construction of steel at temperatures below 10℃ will lead to prolonged drying time. The relative humidity shall not be higher than 80% during the construction and curing period.

固化时间将随干膜厚度及施工期间和整个固化期间的条件而变化。

The curing time will vary with the dry film thickness and the conditions during construction and throughout the curing period.

系统配套性

System compatibility

建议以下油漆与 H53-86 环氧玻璃鳞片防腐漆配套使用：S52-68 脂肪族聚氨酯面漆、FC52-68 氟碳面漆、S52-2 聚氨酯丙烯酸面漆。

It is recommended that the following paints be used together with H53-86 Epoxy Glass Flake Anticorrosive Paint: S52-68 aliphatic polyurethane coating, FC52-68 fluorocarbon finish and S52-2 acrylic polyurethane finish.

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

Safety precautions

本产品旨在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.

所有与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 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。虽然以我们的最佳认知，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用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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