



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

H55-2 超高膜厚无溶剂环氧重防腐漆

H55-2 Ultra High Film Thickness Solvent-Free Epoxy Heavy Duty Anticorrosive Paint

产品说明

Product Description

一种超厚膜型、高体积固体份、双组份环氧涂料，施工的干膜厚度可达 3000 微米，具有杰出的耐冲击性、耐磨性和附着性能。

An ultra high build, high volume solids, two component epoxy, capable of being applied up to 3000 microns dry film thickness, and providing excellent impact resistance, abrasion resistance and adhesion properties.

具有杰出的耐碱性、耐化学性和耐石油产品性能。

Excellent resistance to alkalis, chemicals and petroleum products.

设计用途

Intended Uses

适用于各种恶劣环境下，需要高耐磨性及防腐要求时对钢结构的保护，如海上油气平台的飞溅区域、码头桩柱、船舶装卸设备、防波堤、甲板、桥梁、化工厂、造纸厂及水处理厂。

As a coating for the protection of steelwork in severe environments where high abrasion and corrosion resistance are required including splash zone areas on offshore oil and gas platforms, wharf piles, ship loading facilities, jetties, decks, bridges, chemical plants, pulp and paper mills, and water treatment plants.

具有杰出的耐阴极剥离性，与牺牲阳极和外加电流系统配套性良好。H55-2 特别适于长期保护海底结构物，或作为车间或现场施工的涂料，用于阴极保护的热油气管道。

Excellent cathode-stripping resistance, good compatibility with sacrificial anode and external current systems. H55-2 is particularly suitable for long-term protection of submarine structures, or as a coating for workshop or field construction, for cathodic protection of hot oil and gas pipelines.

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	100%			
典型厚度 Typical Thickness	干膜厚 1000-3000 微米 Dry film thickness of 1000-3000 microns.			
理论涂布率 Theoretical Coverage	在干膜 1000 微米的情况下，1.0 平方米/公升 1.0 m ² /L at the dry film thickness of 1000 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 Airless spraying			
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	10 小时/ hours	72 小时/ hours	72 小时/ hours	4 天/days
15°C	8 小时/ hours	36 小时/ hours	36 小时/ hours	3 天/days
25°C	6 小时/ hours	24 小时/ hours	24 小时/ hours	3 天/days
40°C	4 小时/ hours	16 小时/ hours	16 小时/ hours	1 天/days

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated :1.32 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.			

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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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表面处理

Surface treatment

所有待涂表面应清洁、干燥且无污染物。施工油漆前，所有表面应按照 ISO 8504: 2000 标准进行评估和处理。

All surfaces to be coated shall be clean, dry and free of contaminants. All surfaces shall be evaluated and treated in accordance with ISO 8504:2000 before painting is applied.

对于浸渍使用，H55-2 必须施工在喷砂清理至 Sa2½ (ISO 8501-1:2007) 或 SSPC SP10 的表面上。但是，用于大气暴晒环境，H55-2 应施工在喷砂处理至 Sa2½ (ISO 8501-1:2007) 或至少为 SSPC SP6 的表面上。

For immersion service, H55-2 must be applied to surfaces blast cleaned to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. However, for atmospheric exposure H55-2 may be applied to surfaces prepared to a minimum of Sa2½ (ISO 8501-1:2007) or SSPC-SP6.

通过喷砂清理过程暴露出来的表面缺陷，应打磨、填没或以合适的方式进行处理。

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

表面粗糙度必须至少为 50 微米。

Surface profile must be a minimum of 50 microns.

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

60 分钟/minutes 60 分钟/minutes 45 分钟/minutes 30 分钟/minutes

推荐施工方法

Recommended construction method

无气喷涂喷嘴直径 0.76 毫米喷嘴处的油漆总压力不低于 282 千克/平方厘米

Airless spraying: nozzle diameter: 0.76 mm; the total paint pressure at the nozzle shall not be less than 282 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

H55-2 适于与涂有或未涂推荐底漆的阴极保护系统一起使用。H55-2 适用于埋地条件下的钢结构（Im3 根据 ISO 12944-2）

H55-2 is suitable for use with cathodic protection with or without the recommended primer. H55-2 is suitable for steelwork exposed under buried conditions (Im3 according to ISO 12944-2)

该产品在温度低于 5° C 时，不能充分固化。为达到最佳性能，固化的环境温度应高于 10° C。

This product will not cure adequately below 5°C. For maximum performance ambient curing temperatures should be above 10°C.

若用于高碰撞高磨损的环境，请勿涂装底漆，并确保本产品涂于粗糙度至少达到 75 微米的表面上。

In high impact and abrasion applications do not use primer and apply over a minimum surface profile height of 75 microns.

若漆膜厚度大于 2000 微米，施工二道涂层，以最大限度地减少粗糙表面及凹凸不平的锯齿状表面。

At high film thickness, >2000 microns apply in two coats to minimize rough surface texture and indentations.

H55-2 下面需注意避免过度涂覆任何底漆系统。底漆涂膜过厚，在采用 H55-2 进行复涂时，会导致涂膜开裂。Care should be taken to avoid over application of any priming system used under H55-2. Excessive primer film thickness could lead to splitting of the film when overcoated with H55-2.

温度低于 20° C 时，为了达到雾化，可能需要尺寸较大的泵和喷嘴。必须注意，不要过度雾化产品，因为过度雾化会导致粗糙表面及凹凸不平的结果。

At temperatures below 20°C larger pumps and tip sizes may be required to achieve atomization. Care must be taken not to over atomized the product as this will result in a rough surface texture and indentations.

系统配套性

System compatibility

H55-2 适用于下列底漆：

H55-2 is suitable for the following primers:

H53-88 环氧过渡连接漆

H53-88 Epoxy Transition Joint Paint

建议以下油漆与 H55-2 配套使用：S52-68 脂肪族聚氨酯面漆、S52-2 丙烯酸聚氨酯面漆、H52-68 环氧防腐面漆、H55-2 超高膜厚无溶剂环氧重防腐漆

It is recommended that the following paints be used together with H55-2: S52-68 aliphatic polyurethane finish, S52-2 acrylic polyurethane finish, H52-68 Epoxy Finish, H55-2 Ultra high film thickness solvent-free epoxy heavy duty anticorrosive 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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