



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

E06-1 无机富锌底漆

E06-1 Inorganic Zinc Rich Primer

产品说明

Product Description

这是一种双组分，具有快速覆涂，快干性的溶剂型无机硅酸富锌底漆，干膜中锌粉含量符合 HB/T3668-1 类《中国化学工业标准》类型标准。

This is a two-component fast coating and quick drying solvent-based inorganic zinc rich silicate primer. The zinc dust content in the dry film conforms to HB/T3668-level 1 China Chemical Industry Standard.

设计用途

Intended Uses

这种锌粉底漆可与多种高性能涂料体系和面漆配套使用，可用于新建结构及维修保养项目，使用范围包括桥梁、储罐、管道、钢结构，该油漆可以为经正确处理的钢结构提供极佳的防腐蚀保护，加涂适当的面漆后，最高可以承受 540℃ 的高温。作为快速固化底漆，可用于多种气候条件。

The zinc dust primer is matched with a variety of high-performance coating systems and finishes and can be used for new structures and maintenance projects. The scope of application includes bridges, storage tanks, pipelines and steel structure. The paint can provide excellent corrosion protection for correctly treated steel structures. After the additional application of appropriate finish, the paint can at most withstand high temperature of 540°C. As the fast curing primer, it can be used for a variety of climatic conditions.

涂装数据

Coating Data

颜色 Color	锌灰色等有限范围颜色 Zinc gray and limited range of colors.			
光泽 Gloss Level	哑光 matte			
体积固体份 Volume Solids	50±2%			
典型厚度 Typical Thickness	干膜厚 50-75 微米 dry film thickness of 50-75 microns.			
理论涂布率 Theoretical Coverage	在 60 微米干膜厚度情况下，8.3 平方米/公升 8.3 m ² /L at the dry film thickness of 60 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 air spraying, 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
5°C	40 分钟/ minutes	8 小时/ hours	20 小时/ hours	无限制/Unlimited
15°C	30 分钟/ minutes	5 小时/ hours	10 小时/ hours	无限制/Unlimited
25°C	20 分钟/ minutes	3 小时/ hours	6 小时/ hours	无限制/Unlimited
40°C	5 分钟/ minutes	1 小时/ hours	3 小时/ hours	无限制/Unlimited

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated : 2.27 kg/L				
包装规格 Pack Size	包装规格 Unit Size	A 组份 Part A		B 组 Part B	
	15 公升 litre	体积 Vol	包装 Pack	体积 Vol	包装 Pack
		8 公升 litre	20 公升 litre	7 公升 litre	10 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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表面处理

Surface treatment

所有待涂表面应清洁、干燥且无污染物。涂覆前，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 from contaminants. All surfaces shall be evaluated and treated in accordance with ISO 8504:2000 prior to application.

油和油脂应按照 SSPC-SP1 溶剂清理标准除去。

Oil and grease shall be removed according to SSPC-SP1 solvent cleaning standard.

喷射处理

Abrasive Blast Cleaning

磨料喷砂清理至 Sa2.5 (ISO 8501-1:2007) 或 SSPC-SP6 的标准 (为达到最佳性能, 喷砂清理至 SSPC-SP10 标准)。如果在喷砂清理和施工 E06-1 的间隔内发生了氧化, 表面应再行喷砂清理至规定的目视标准。

The steel surface is sand-blasted to conform to Sa2.5 (ISO 8501-1:2007) or SSPC-SP6 standard (sand-blasted to conform to SSPC-SP10 standard in order to reach the optimal performance). If oxidation occurs between sand blasting and E06-1 application, the surface shall be sand-blasted to conform to the specified visual standard.

在喷砂清理过程中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 exposed during the sand blasting process shall be polished, filled or treated in a suitable manner.

建议表面粗糙度为 40-75 微米。

It is recommended that the surface roughness be at least 40-75 microns.

预涂有车间底漆的钢结构

Shop Primed Steelwork

E06-1 适于施工在新涂硅酸锌车间底漆的钢构件。

E06-1 is suitable for application to the steel components with new zinc silicate shop primer.

如果锌粉车间底漆出现大面积散射状脱落或大量的锌盐, 整个区域需要进行全面扫砂清理。

If the zinc dust shop primer peels off in a large-area scattering shape or generates a large amount of zinc salt, the whole area shall be blast-cleaned thoroughly.

不适于复涂其他类型的车间底漆, 需要采用磨料喷砂彻底清除。

If the surface cannot be coated with other types of shop primers, it shall be thoroughly removed by abrasive blasting.

焊缝和损坏区域应喷砂清理至 Sa2.5 级 (ISO 8501-1:2007) 或 SSPC SP6 标准。

Welds and damaged areas shall be at least sand-blasted to conform to Sa2.5 (ISO 8501-1:2007) or SSPC-SP6 standard.

损坏/修补区域

Damaged / Repair Areas

所有损坏区域最好能喷砂清理至 Sa2.5 (ISO 8501-1:2007) 或 SSPC SP6 标准。但是, 允许对小面积区域采用动力工具清理至 Pt3 (JSRA SPSS:1984) 或 SSPC-SP11 标准, 条件使该区域不被抛光。然后, 可采用推荐的环氧锌粉底漆对该区域进行修补。

All damaged areas shall be sand-blasted to conform to Sa2.5 (ISO 8501-1:2007) or SSPC SP6 standard. However, small areas are allowed to be cleaned by power tools to conform to Pt3 (JSRA SPSS:1984) or SSPC-SP11 standard, provided that the area is not polished. The areas can then be repaired with the recommended zinc dust primer.

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.

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	(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	8 : 7 体积比 by volume
混合使用寿命 Mixing service life	10°C 15°C 25°C 40°C 12 小时/hours 8 小时/hours 4 小时/hours 2 小时/hours
推荐施工方法 Recommended construction method	无气喷涂 喷嘴直径 0.38-0.53 毫米喷嘴处的油漆总压力不低于 112 千克/平方厘米 Airless spraying: nozzle diameter: 0.38-0.53mm; the total paint pressure at the nozzle shall not be less than 112 kg/cm2.
稀释剂 thinner	无机富锌专用稀释剂 Inorganic zinc rich 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。采用专用无机富锌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 inorganic zinc 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 interruption.
清洗 Cleaning	所有设备在使用后，应立即采用无机富锌稀释剂进行清洗。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 inorganic zinc rich 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

覆涂前，产品必须清洁、干燥且无可溶性盐类及过多的镀锌腐蚀产物。

Before coating, the product must be clean, dry and free from insoluble salt and excessive galvanized corrosion products.

被涂表面温度必须至少高于露点 3° C。

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

在密闭空间中施工 E06-1 时，要确保充足的通风。

Adequate ventilation shall be ensured when H06-1 is applied in the confined spaces.

最短复涂间隔取决于固化过程中的相对湿度。建议复涂前，应按 ASTM D4752 标准进行溶剂擦拭实验。数值为 4 的测试结果表明固化已达满意程度，可进行复涂。

The shortest coating interval depends on the relative humidity during the curing process. It is recommended that the solvent wiping test be conducted in accordance with ASTM D4752 standard before re-coating. The test result with the value of 4 indicates that the curing result is satisfactory and re coating can be performed.

E06-1 漆膜过厚或涂覆过量，都会造成龟裂，一旦发生龟裂就必须用喷射方法彻底除去受影响的部位，然后根据原先的油漆配套方案重新涂覆。

Too thick E06-1 paint film or excessive application will cause crazing. Once crazing occurs, the affected part must be removed by spraying and then re coated according to the original paint matching scheme.

施工时应小心谨慎，避免干膜厚度超过 125 微米。

Care should be taken during construction to avoid dry film thickness exceeding 125 microns.

未涂面漆的 E06-1 不适于暴露在酸碱环境中或长期浸渍于水中。

Uncoated E06-1 is not suitable for exposure to acid-base environment or long-term immersion in water.

系统配套性

System compatibility

建议以下油漆与 E06-1 配套使用：H53-82 环氧磷酸锌底漆、H53-81 厚浆型环氧通用油漆、H53-85 环氧中间漆、S52-68 脂肪族聚氨酯面漆、S52-2 丙烯酸聚氨酯面漆、FC52-68 氟碳面漆。

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It is recommended that the following paints be used together with E06-1: H53-82 epoxy zinc phosphate primer, H53-81 high build general-purpose epoxy paint, H53-85 epoxy intermediate paint, S52-68 aliphatic polyurethane finish, S52-2 acrylic polyurethane finish and FC52-68 fluorocarbon 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，对产品所提供的所有建议或声明（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.