



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
E704 无机硅酸锌车间底漆
E704 Inorganic Zinc Silicate Shop Primer

产品说明

Product Description

一种快干的双组分，可焊接硅酸锌车间底漆，人工或自动喷涂都可。

A quick-drying, two-component, weldable zinc silicate workshop primer, manual or automatic.

设计用途

Intended Uses

作为一种暂时性防护底漆，适合在钢结构进行预制工艺之前进行涂覆。

As a temporary protective primer, it is suitable for coating steel structures prior to prefabrication.

产品适合于用多种高性能涂层系统进行复涂，用于各种环境（包括海上设施、海洋环境、化工和石化厂、发电站和桥梁）。

The products are suitable for recoating with a variety of high-performance coating systems in a variety of environments (including offshore installations, Marine environments, chemical and petrochemical plants, power stations and Bridges).

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	30±2%			
典型厚度 Typical Thickness	干膜厚 10-25 微米 dry film thickness of 10-25 microns.			
理论涂布率 Theoretical Coverage	在 15 微米干膜厚度情况下，20.0 平方米/公升 20.0 m ² /L at the dry film thickness of 15 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，刷涂，滚涂 air spraying, airless spraying, brush coating, roller coating			
干燥时间 Drying time	推荐面漆重涂间隔 Overcoating interval with self			

温度 Temperature	表干 Touch Dry	硬干 Hard Dry	最小 Minimum	最大 Maximum
5°C	40 分钟/ minutes	90 分钟/ minutes	24 小时/ hours	无限制/ Unlimited
15°C	30 分钟/ minutes	60 分钟/ minutes	20 小时/ hours	无限制/ Unlimited
25°C	20 分钟/ minutes	45 分钟/ minutes	16 小时/ hours	无限制/ Unlimited
40°C	10 分钟/ minutes	30 分钟/ minutes	10 小时/ hours	无限制/ Unlimited

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated : 1.4 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
		10 公升 litre	20 公升 litre	10 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.			

表面处理

Surface treatment

所有待涂表面应清洁，干燥且无污染。涂漆前，所有表面应按照 GB18839-2002 进行评估和处理。

All surfaces to be coated should be clean, dry and free of contamination. Before painting, all surfaces shall be evaluated and treated in accordance with GB18839-2002.

如果有油脂，应根据 GB18839-2002 用溶剂清洗。必要时，清除焊渣飞溅，打磨光滑焊缝和锐边。

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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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If there is grease, it should be cleaned with solvent according to GB18839-2002. If necessary, remove welding slag spatter, polish smooth weld and sharp edge.

喷射处理

Abrasive Blast Cleaning

喷射处理至 Sa2.5 (GB8923-1:1998)。如果喷射处理后，在覆涂 E704 之前，如钢材表面发生氧化，表面应该重新喷射以达到规定的目视表面。喷砂处理过程中暴露的表面缺陷，应以合适的方式打磨、填补或处理。

Blast treatment to Sa2.5 (GB8923-1:1998). If oxidation occurs on the steel surface after spray treatment and before coating E704, the surface shall be re-sprayed to achieve the specified visual surface. Surface defects exposed during sandblasting should be polished, filled or treated in an appropriate manner.

经过喷砂处理后的表面应具有尖角状轮廓。喷砂介质应为标称粒径为 0.6-1.0 毫米的钢砂或标称粒径为 0.6-1.0 毫米的钢丸混合物。

The sandblasted surface should have a sharp angular profile. The blasting medium shall be steel sand with nominal particle size of 0.6-1.0 mm or steel shot mixture with nominal particle size of 0.6-1.0 mm.

建议该产品不要用于手工处理的钢材上。

It is recommended that this product not be used on hand-treated steel.

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

10 : 10 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 3 小时/hours 2 小时/hours

推荐施工方法

Recommended construction method

无气喷涂 喷嘴直径 0.43-0.53 毫米喷嘴处的油漆总压力不低于 70 千克/平方厘米

Airless spraying: nozzle diameter: 0.43-0.53mm; the total paint pressure at the nozzle shall not be less than 70 kg/cm².

稀释剂 thinner

无机富锌稀释剂

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 rich 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

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

产品特性

Product characteristics

只有严格控制涂层在建议膜厚才能获得满意的焊接性能。过度涂覆 E704 会增强焊接或切割时的烟雾，并增加焊接孔隙。

Only by strictly controlling the coating at the recommended film thickness can satisfactory welding performance be obtained. Overcoating E704 enhances welding or cutting fumes and increases welding porosity.

E704 是专为自动装置设计的涂料，如果要小面积手喷，注意避免干喷及上层应用。

E704 is designed for automatic equipment, if you want to spray small area by hand, pay attention to avoid dry spray and top application.

请注意，此产品干燥速度太快，而不能测得精确的湿膜厚度。

Please note that this product dries too quickly to measure accurate wet film thickness.

如果未能获得均匀一致的漆膜和表面粗糙度，在暴露于风吹日晒下时将导致快速生锈。

If uniform film and surface roughness is not obtained, exposure to wind and sun will lead to rapid rust.

E704 的膜越厚将提供更长时间的耐腐蚀性，但会影响焊接，切割和操作加工性能。在大多数环境中 25 微米是推荐获得 6-9 个月的保护性能的干膜厚度。

Thicker E704 film will provide longer corrosion resistance, but will affect welding, cutting and handling machining properties. In most environments 25 microns is the recommended dry film thickness to obtain 6-9 months of protective performance.

E704 过早暴露积水会导致变色，并且可能是永久性的。这只会影响表面效果并不会对 E704 的防腐性能造成影响

E704 Early exposure to standing water can cause discoloration and may be permanent. This will only affect the surface effect and will not affect the corrosion resistance of E704

系统配套性

System compatibility

建议以下油漆与 E704 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。

It is recommended that the following paints be used together with E704: 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 CHANGZHOU DONGFANG COATING (NIGERIA) CO., LTD

重要说明

Important explanation

产品说明书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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