



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

W61-200 有机硅耐高温油漆

W61-200 Organic Silicone High Temperature Resistant Paint

产品说明

Product Description

这是一种单组分的耐中温面漆，有效成分为耐高温酮和丙烯酸树脂，并含有耐热颜料。

A single component, intermediate temperature finish based on temperature resistant silicone and acrylic resins with thermally stable pigmentation.

设计用途

Intended Uses

用于各种工业环境，包括：石化厂、炼油厂、海上结构物、化工厂和发电站。适用于中等温度、需要彩色面漆的区域。

For use in a wide range of industrial environments including petrochemical plants, oil refineries, offshore structures, chemical plants and power stations. Suitable for areas subject to intermediate service temperature that require a colored finish.

是一种用于施工在合适涂有底漆的钢结构上的耐热面漆。可用于新建结构物上及作为维修保养涂料。适用于操作温度高达 260° C 的钢结构。层间无需加热，能够耐受高温而不出现褪色或斑纹。

A heat resistant finish coat for application over properly primed steelwork. For use at both new construction and as a maintenance coating. Suitable for steelwork operating at temperatures up to 260°C. Does not require heating between coats.

涂装数据

Coating Data

颜色 Color	铝色，黑色等有限范围颜色 aluminum, black and limited range colors
光泽 Gloss Level	不适用 not applicable
体积固体份 Volume Solids	38±2%
典型厚度 Typical Thickness	干膜厚 25-30 微米 dry film thickness of 25-30 microns.
理论涂布率 Theoretical Coverage	在干膜 25 微米的情况下，15.2 平方米/公升 15.2 m ² /L at the dry film thickness of 25 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
5°C	90 分钟/ minutes	10 小时/ hours	24 小时/ hours	无限制/ Unlimited
15°C	60 分钟/ minutes	6 小时/ hours	24 小时/ hours	无限制/ Unlimited
25°C	30 分钟/ minutes	4 小时/ hours	24 小时/ hours	无限制/ Unlimited
40°C	15 分钟/ minutes	2 小时/ hours	12 小时/ hours	无限制/ Unlimited

产品数据

Product Data

产品重量 Product Weight	理论值 Calculated: 1.1 kg/L		
包装规格 Pack Size	包装规格 Unit Size	单组份 Single Part	
	20 公升 litre	体积 Vol	包装 Pack
		20 公升 litre	20 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。

发行日期 Date of issue: 01/01/2023

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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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 Sa2½ (ISO 8501-1:2007) 或 SSPC-SP10 的标准。如果在喷砂清理和施工 W61-200 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。

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. If oxidation has occurred between blasting and application of W61-200, the surface should be reblasted 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 revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

W61-200 可施工在经核准的防锈底漆上。底漆表面应干燥且无任何污染物。W61-200 必须在规定的复涂间隔时间内进行施工（请查阅相关的产品数据手册）。

W61-200 can be applied over approved anti-corrosive primers. The primer surface should be dry and free from all contamination, and W61-200 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

在使用锌粉底漆的情况下，在需要之处应除去焊接飞溅物，磨光焊缝和锐边，并喷砂清理焊接处和损坏的底漆，达到 Sa.2½ (ISO 8501-1:2007) 或 SSPC-SP10 标准。车间底漆或其它底漆表面应干燥且无任何污染物（例如：油、油脂、盐类等），并在规定的底漆复涂间隔时间内，采用 W61-200 进行复涂（请查阅相关的数据手册）。

In the case of zinc primers, where necessary, remove weld spatter, smooth weld seams and sharp edges and blast clean welds and damaged areas to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. The shop primer or other primer surface should be dry and free of all contamination (oil, grease, salt etc) and overcoated with W61-200 within the overcoating intervals specified for the primer (consult the relevant product data sheet).

焊缝及损坏区域应喷砂清理至 Sa2½ (ISO 8501-1:2007) 或 SSPC-SP10 标准，复涂前，确保锌粉底漆已完全固化、清洁、干燥且无锌盐覆盖之前。

Weld seams and damaged areas should be blast cleaned to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. Ensure the zinc primer has fully cured and is clean, dry and free from zinc salts prior to overcoating

如果车间底漆呈现大面积或大范围散射状损坏，可能需要全面进行刷净喷砂处理。

If the shop primer shows extensive or widely scattered breakdown overall sweep blasting may be necessary.

施工说明

Construction description

混合 mixing

这种涂料是一种单组份涂料，施工前应采用动力搅拌器彻底搅拌

This paint is a single-component paint, which shall be completely stirred with a power stirrer before construction.

混合比例 Mixing ratio

不适用 Not applicable

推荐施工方法

空气喷涂（带压力罐）喷枪

Recommended construction method

Air spraying (with pressure tank) gun

空气喷涂（传统）使用合适的专用设备。

Air spraying (traditional) Use suitable special equipment

稀释剂 thinner

有机硅油漆专用稀释剂

Organic silicon paint thinner

作业暂停

勿要让涂料保留在漆管、喷枪或喷涂设备中。采用专用有机硅油漆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。

Operation suspension

Do not retain paint in the paint tube, the spray gun or the spraying equipment. Rinse all equipment thoroughly with organic silicon paint 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

所有设备在使用后，应立即采用有机硅油漆稀释剂进行清洗。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。

Cleaning

All equipment shall be cleaned immediately with organic silicon paint 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

为了获得温度高达 260° C 时的最佳防腐作用，W61-200 应施工在无机硅酸锌底漆上。最好与无机硅酸锌一起施工一道雾罩涂层，然后再施工干膜厚度为 40 微米的 W61-200 全涂层。如果两道都是厚层，在面漆涂层上有时会出现针孔。

For optimum corrosion protection at temperatures up to 260°C, W61-200 should be applied over an inorganic zinc silicate primer. The preferred system for use with inorganic zinc silicate is to apply a mist coat followed by a full coat of W61-200 at 40 microns dry film thickness. Application of two full coats can sometimes result in pinholes in the topcoat.

复涂经过风蚀的硅酸锌底漆时，表面应清洁、无污染且不存在锌腐蚀的锌盐等腐蚀物。

When overcoating weathered zinc silicate primers the surface should be clean, free from contamination, and the presence of zinc corrosion products.

环氧锌粉底漆在温度高达 150° C 时使用，也可提供令人满意的防腐作用。

Zinc epoxy primers will also provide satisfactory anti-corrosive protection for in-service temperatures up to 150°C.

该涂料为常温干燥涂料，适于在没有烘干设施的制作工厂和现场进行施工。

This material is air drying and is suitable for application both in the fabrication yard and on-site where stoving facilities are not available.

过度施工在高温下会导致起泡。

Over-application can lead to blistering at high temperatures.

处于高温下，可见一些细微的颜色和光泽变化。

Some minor color and gloss changes will be visible upon high heat exposure.

注意：白色面漆处于 260° C 的温度下时间过长，会出现一些泛黄现象。

Note that some yellowing will occur with prolonged exposure of the white finish to temperatures of 260°C.

W61-200 可耐最高连续干温为 260° C。

Maximum continuous dry temperature resistance for W61-200 is 260°C.

W61-200 可施工在表面温度达到 40° C 的底材上

W61-200 can be applied to substrates with surface temperatures at time of application up to 40°C.

系统配套性

System compatibility

本产品为专用涂料，因此只能与少数几种产品配套合适的底漆有：E06-1 无机富锌底漆，H06-1 环氧富锌底漆，W61 有机硅耐高温底漆，合适的面漆有：W61-200/400/600 有机硅耐高温面漆。

This product is a special paint, so that it can only be matched with a few products. The suitable primer is E06-1 inorganic zinc-rich primer, H06-1 epoxy zinc-rich primer, W61 organic silicon high temperature resistant primer, and the suitable finish is W61-200/400/600 organic silicon high temperature resistant 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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