

Jota EP15P 快干环氧底漆EP15P (OXT)

产品描述

这是一种双组份聚胺固化环氧涂料。设计作为底漆和中间漆，用于新建和维修项目。可在大气环境下作为完整涂装体系的底漆和中间漆使用。适用于经处理的碳钢、不锈钢、铝材、镀锌件、涂有车间底漆的钢材和热喷锌表面。

典型用途

适用于高腐蚀环境的钢结构。推荐使用在新建和维修的基础建设行业、石油石化行业、电力行业、工业厂房和一系列设备上，包括但不限于发动机、机械、车厢、特种车辆等。

颜色

灰色、 灰色X0、 白色、 红色、 铝

产品数据

性能	测试/标准	描述
体积固体含量	ISO 3233	62 ± 2 %
光泽度 (GU 60 °)	ISO 2813	哑光 (0-35)
闪点	ISO 3679 方法 1	25 °C
密度	理论值	1.4 kg/l
VOC - 美国 / 香港	US EPA 方法 24 (测试值) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	350 克/升
VOC- 中国	GB/T 23985-2009 (ISO 11890-1) (测试值)	336 克/升

所列数据是基于工厂批量生产的产品，因颜色不同会有些许变化。

所有数据仅针对混合后的涂料有效。

光泽描述：根据佐敦功能涂料的定义

每道涂层的漆膜厚度

典型推荐的规格书范围

干膜厚度	60 - 200	微米
湿膜厚度	97 - 323	微米
理论涂布率	10.3 - 3.1	平方米/升
理论涂布率	7.4 - 2.2	平方米/公斤

表面处理

为了确保下道涂层具有持久的附着力，所有表面必须清洁、干燥且无污染物。

通过推荐的表面处理可以获得包括附着力、耐腐蚀性、耐热性及耐化学性等最佳的性能。

表面处理数据总览

底材	表面处理	
	最小	推荐的
碳钢	St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
不锈钢	表面需用非金属磨料、纤维或手工砂纸等进行手工或机械打磨以产生一个粗糙的表面，确保无任何光滑面。	使用经认可的非金属磨料进行喷砂清理产生一个尖锐有角的粗糙表面。
铝	表面需用非金属磨料、纤维或手工砂纸等进行手工或机械打磨以产生一个粗糙的表面，确保无任何光滑面。	使用经认可的非金属磨料进行喷砂清理产生一个尖锐有角的粗糙表面。
镀锌钢	表面应该是清洁、干燥的且应有合适的粗糙度	用非金属磨料轻扫砂，获得清洁、粗糙和均匀的表面。
涂有车间底漆的钢材	干燥、清洁、完整的车间底漆	使用磨料扫砂或喷砂将至少70%的表面处理到ISO 8501 1:1988, Sa 2
已涂装的面	清洁、干燥和完好的可兼容底漆（符合ISO 12944-4 6.1标准）。	清洁、干燥和完好的可兼容底漆（符合ISO 12944-4 6.1标准）。

施工

施工方法

该产品可用以下方式施工

喷涂： 使用有气喷涂或无气喷涂。

刷涂： 推荐用于预涂和小面积涂装。 注意要达到特定的干膜厚度。

产品混合比（体积）

快干环氧底漆EP15P 组份A	3 份
快干环氧底漆EP15P 组份B	1 份

稀释剂/清洗剂

稀释剂: 佐敦17号稀释剂

无气喷涂的指导参数

喷嘴孔径 (inch/1000): 15-19
喷嘴压力 (最小): 150 bar/2100 psi

干燥和固化时间

底材温度	-5 °C	0 °C	5 °C	10 °C	23 °C	40 °C
表(触)干	10 小时	8 小时	6 小时	4 小时	2 小时	1 小时
可踩踏干燥	30 小时	24 小时	16 小时	10 小时	5 小时	2 小时
干燥后复涂, 最短间隔	24 小时	20 小时	14 小时	8 小时	4 小时	2 小时

最大的复涂间隔, 请参考此产品的施工指南 (AG)。

干燥和固化时间的测定是基于温度和相对湿度, 相对湿度低于85%, 干膜厚度在平均干膜厚度范围内。

表(触)干: 用手指轻压而无指印残留或无黏着的状态。

可踩踏干燥: 在涂层可以允许正常步行而不留下永久足印、痕迹或其它物理损坏的最短时间。

干燥后复涂, 最短间隔: 在不做任何表面处理的情况下, 下道涂层可以施工的最小时间间隔。

熟化时间和混合后使用寿命

油漆温度	23 °C
熟化时间	3 分钟
混合后使用寿命	2 小时

耐热性能

	温度	
	连续的	峰值
干燥, 大气环境中	120 °C	140 °C

耐受峰值温度最长不超过一小时。

以上温度下, 保护性能不受影响。但是美观性可能会有影响。

产品相容性

根据使用中不同的实际暴露条件，该产品可与不同的底漆和面漆配套使用。以下是一些参考配套。对于特定配套，请联系佐敦公司。

前道涂层：环氧、改性环氧、含锌环氧、硅酸锌
下道涂层：醇酸、丙烯酸、环氧、聚氨酯、聚硅氧烷、氟碳

典型的包装规格

	体积 (升)	容器大小 (升)
快干环氧底漆EP15P 组份A	15	20
快干环氧底漆EP15P 组份B	5	5

以上包装规格均是工厂批量生产的典型参考规格，由于各地法规不同，各地包装规格和容量会有不同。

储存

必须按照国家规定储存。储存环境应干燥、阴凉、通风条件好，远离热源和火源。包装容器必须保持密闭。小心处置。

23 °C时的保质期

快干环氧底漆EP15P 组份A 24 个月
快干环氧底漆EP15P 组份B 24 个月

在有些市场，为适应当地法律规定，标识的保质期可以缩短。以上是最短保质期，之后须经检测以确定质量是否合格。

注意事项

本产品仅供专业人员使用。施工人员和工人需要培训、有经验、有能力和设备根据佐敦的技术文件来正确的混合/搅拌和施涂油漆。施工人员和工人在使用本产品时需要使用适当的个人防护设备。本指导基于现有的产品知识提供。任何为适应现场情况所做的更改建议都需先得到负责的佐敦代表批准后方可使用。

健康和安全

请查看容器包装上的安全告示。在通风良好的条件下使用，避免吸入漆雾，避免皮肤接触，如不慎溅到皮肤上应立即用合适的清洁剂、肥皂和水冲洗。如不慎进入眼睛，应用水充分冲洗并立即就医诊治。

色差

当使用时，主要用作底漆或防污漆的产品在批次与批次间可能有轻微的颜色变化。同样，在暴露于阳光的气候条件下可能有褪色和粉化。

声明

本说明书中提供的信息完全基于我们在实验室和实践中所获得的认识。佐敦的产品被视为半成品，这样产品的使用通常都是在我们控制范围之外。所以佐敦只给予产品本身质量的保证。为适应当地的法规，产品可能会适当调整，我们保留不另外通知而修改说明书的权利。

用户应针对自身的需求及具体应用，咨询佐敦以获得相关产品适用性能的具体指导。

不同语言的版本间如有任何不一致之处，以英语（英国）版为准。

Jota EP15P

Product description

This is a two component polyamine cured epoxy coating. Designed as a primer and mid coat for new construction and maintenance. Can be used as primer and mid coat as part of a complete system in atmospheric environments. Suitable for properly prepared carbon steel, stainless steel, aluminium, galvanised steel, shop primed steel and thermally sprayed zinc substrates.

Typical use

Suitable for structural steel exposed to highly corrosive environments. Recommended for infrastructure, HPI, energy, industrial workshop and wide range of equipment including but not limited to engine, machinery, carriage, special vehicle, etc., for both new construction and maintenance.

Colours

grey, grey XO, off-white, red, aluminium

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	62 ± 2 %
Gloss level (GU 60 °)	ISO 2813	matt (0-35)
Flash point	ISO 3679 Method 1	25 °C
Density	calculated	1,4 kg/l
VOC-US/Hong Kong	US EPA method 24 (tested)	350 g/l
VOC-China	GB/T 23985-2009 (ISO 11890-1) (tested)	336 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.

All data is valid for mixed paint.

Gloss description: According to Jotun Performance Coatings' definition.

Film thickness per coat

Typical recommended specification range

Dry film thickness	60 - 200	µm
Wet film thickness	97 - 323	µm
Theoretical spreading rate	10,3 - 3,1	m ² /l
Theoretical spreading rate	7,4 - 2,2	m ² /kg

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Carbon steel	St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Stainless steel	The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface and to remove all polish from the surface.	Abrasive blast cleaning to achieve a surface profile using approved non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.
Aluminium	The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface and to remove all polish from the surface.	Abrasive blast cleaning to achieve a surface profile using approved non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.
Galvanised steel	The surface shall be clean, dry and appear with a rough and dull profile.	Light brush blasting using non-metallic abrasive leaving a clean, rough and even pattern.
Shop primed steel	Dry, clean and intact shop primer.	Abrasive swept or alternatively blasted to Sa 2 (ISO 8501-1) of at least 70 % of the surface.
Coated surfaces	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

Application

Application methods

The product can be applied by

Spray: Use air spray or airless spray.

Brush: Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.

Product mixing ratio (by volume)

Jota EP15P Comp A 3 part(s)
Jota EP15P Comp B 1 part(s)

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 17

Guiding data for airless spray

Nozzle tip (inch/1000): 15-19
Pressure at nozzle (minimum): 150 bar/2100 psi

Drying and Curing time

Substrate temperature	-5 °C	0 °C	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	10 h	8 h	6 h	4 h	2 h	1 h
Walk-on-dry	30 h	24 h	16 h	10 h	5 h	2 h
Dry to over coat, minimum	24 h	20 h	14 h	8 h	4 h	2 h

For maximum overcoating intervals, refer to the Application Guide (AG) for this product.

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The shortest time allowed before the next coat can be applied.

Induction time and Pot life

Paint temperature	23 °C
Induction time	3 min
Pot life	2 h

Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	140 °C

Peak temperature duration max. 1 hour.

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Jotun for specific system recommendation.

Previous coat: epoxy, epoxy mastic, zinc epoxy, zinc silicate
Subsequent coat: alkyd, acrylic, epoxy, polyurethane, polysiloxane, fluorocarbon

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jota EP15P Comp A	15	20
Jota EP15P Comp B	5	5

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

Jota EP15P Comp A	24 month(s)
Jota EP15P Comp B	24 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Colour variation

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.
