

Product Datasheet 产品说明书

Product name 产品名称

LP144 Multi-purpose Epoxy Series 多功能环氧系列

Product description 产品描述

LP144 forms a tough, abrasion resistant and durable film which bonds strongly to steel, galvanized steel, aluminum and inorganic zinc surfaces. Applies readily by spray can produce a smooth film. It will accept epoxy and acrylic modified aliphatic polyurethane topcoats. Low solvent content meets VOC requirements, reduces the chances for film pinhole and solvent entrapment at the substrate-coating interface, often a major cause of coating failure with conventional epoxies and lower solids system.

LP144 多功能环氧涂料可形成坚韧、耐磨和耐久性涂层，并对钢铁、镀锌层、铝材和无机锌涂层具有非常好的附着力。喷涂后的漆膜光滑、平整，可再涂环氧和脂肪族丙烯酸聚氨酯面漆。低溶剂含量符合 VOC 标准，同时减少漆膜出现针孔及基层与涂层间产生溶剂滞留的风险，而这通常是常规环氧或者低固体含量环氧的常见缺陷。

Product purpose 产品用途

Used as primer/middle coat for steel structure, equipment, galvanized steel and aluminum where need a good protection.

作为底漆/中间漆，可广泛应用于需要优异保护的钢结构、设备、镀锌结构和铝材。

Product character 产品特性

- ❑ Versatile shop applied primer for fabrication and new construction of offshore, marine, power, petro-chemical and ship structures
海洋工程、电力、石化及船舶行业新建及制造用的全方位车间施工底漆
- ❑ Tank linings and pipe coating for ballast tanks, bilges, wet voids and drainage pipes
海水罐、污水罐及排水渠道及管道用内衬涂料
- ❑ Exceptional corrosion protection in salt and fresh water immersion and corrosive chemical environments
在海水及淡水浸泡环境或者是化工腐蚀环境，都能提供非常优越的防护性能
- ❑ Single multi-purpose surface tolerant coating, lowers the cost of surface preparation
单涂层多用途低表面处理涂料，减少表面处理费用
- ❑ Excellent adhesion to tight rust
能非常好的附着于结实牢固的锈
- ❑ Good adhesion to damp surfaces
能非常好的附着于潮湿表面
- ❑ Fast dry-to-recoat
快干，复涂时间短
- ❑ Low temperature cure
可低温固化
- ❑ Excellent adhesion to well prepared bare steel, galvanized steel and aluminum
对碳钢基层、镀锌结构和铝材有优异的附着性



Spraying distance (cm) 喷涂距离 (cm/厘米)	25~30	30~50
Spraying nozzle (mm) 喷涂口径 (毫米)	1.4~1.6	0.42~0.53
Pressure 喷涂压力 (Mpa)	0.4~0.6	15~18
Flash-off 层闪时间	5~10min	5~10 分钟
Flow time 流平时间	10~15min	10~15 分钟
	21°C	10°C
	Touch dry/指触干	2hour/小时
	Through/实干	10Hour/小时
Drying time 干燥时间	Overcoating(Min.)/最短再涂间隔	4Hour/小时
	(Max., itself)/最长再涂间隔 (自身)	30days/天
	(Max., others)/最长再涂间隔 (其它)	5days/天
		3hour/小时
		22Hour/小时
		8Hour/小时
		30days/天
		5days/天

Important notes 注意事项:

- ❑ Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, cross spray at right angles to first pass.
应平行、均匀的喷涂, 并保证 50% 的压枪以保证避免出现针孔、漏涂等。如果需要, 可在垂直方向再喷涂一次。
- ❑ Induction time: 20 minutes @ 20°C.
熟化期: 20 分钟 (20°C)。
- ❑ Roughen the surface if maximum recoat/topcoat time is exceeded. Drying time is dependent on air and surface temperatures as well as film thickness, ventilation and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures - not simply ambient air temperatures. Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window.
当超过最长再涂间隔时, 要打磨油漆表面。干燥时间与环境、基层温度、膜厚、通风条件及相对湿度有关。最大再涂间隔与实际基层温度有很大的关系-而不是简单的环境温度。基层温度越高, 特别当有太阳直射或其它热源烘烤表面时, 其最长再涂间隔会缩短。
- ❑ As tank lining coating system - two coats of LP 144 at 4 to 8 mils (100 to 200 microns) per coat, plus tow stripe coats over sharp edges, cutouts and welds. Use contrasting colors for each coat and stripe coat.
作为储罐内衬涂料系统, 2 层 LP144, 每层在 4-8Mils (100-200 微米) 之间是需要的, 同时, 建议对锐边、焊缝及切口等区域进行预涂。每一层的颜色应由明显的区别。



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