



证书格式号/Form: PPC101-3

中国船级社

CHINA CLASSIFICATION SOCIETY

试验证书

TEST CERTIFICATE

证书编号/Certificate No. DL19P4013

兹证明应 波罗尼亚科技实业发展(辽宁)有限公司 的申请, 本证书所述产品所进行的下列试验项目经本社署名检验师见证。

This is to certify that, upon the request of Bronya technology industrial development (Liaoning) co. LTD the following items for the products stated in the Test Report are witnessed by the undersigned surveyor to the Society

产品名称 Product	液态中空陶瓷隔热涂层剂 Liquid hollow ceramic thermal insulation coating agent	制造厂名 Manufacturer	Броня 科学生产联合有限责任公司 NPO «BRONYA» LLC
试验地点 Place of Test	辽宁省沈阳市浑南区创新路 155 号 No. 155 Chuangxin road, Hunnan district, Shenyang city, Liaoning province	试验时间 Date of Test	2019 年 9 月 1 日至 9 月 20 日 Sep.1 to 20, 2019

产品明细/Particulars

产品名称/ Product name:	液态中空陶瓷隔热涂层剂 Liquid hollow ceramic insulation coating agent
型号及规格/ Model & Specification:	面漆/ Finishing coat: БРОНЯ КЛАССИК 底漆/ Base coat: БРОНЯ АНТИКОР
产品用途/ Product usage:	用于碳钢、低合金钢、不锈钢金属表面的隔热和弱腐蚀防腐保护 Used for heat insulation and weak corrosion protection of carbon steel, low alloy steel and stainless steel metal surface
适用范围/ Scope of application:	工业设备、管道及其它金属结构 Industrial equipment, piping and other metal structures

试验依据/ Test Standards

Q/BRONYA-LN001-2019 液态中空陶瓷隔热涂层剂

Q/BRONYA-LN001-2019 Liquid hollow ceramic thermal insulation coating agent



发证日期
Date of issue

2019 年 9 月 23 日
Sep.23, 2019

检验师
Surveyor

(Sun Tao)

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电话/Tel: 86-10-65239001 传真/Fax: 86-10-65262774 网址/Web Site: <http://www.ccs-c.com.cn/ccsc/>
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其他/Others

本试验证书只对样品负责。

This test certificate is for samples only.

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*****本证书正文完/ End of Text*****

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电话/Tel: 86-10-65239001 传真/Fax: 86-10-65262774 网站/Web Site: <http://www.ccs-c.com.cn/ccsc/>
Rev. 201101

试验项目及结果/Scope of Testing and the result

编号 No.	试验项目 Approval of testing	试验方法 Test method	合格值 Acceptance value	试验值及结果 Test value and results
1	容器中状态 Container state	目测 Visual inspection	无硬块, 搅拌后呈均匀状态 No lumps, uniform after stirring	合格 Satisfactory
2	施工性 Application property	目测 Visual inspection	涂刷多道无障碍 Brush multilayer barrier-free	合格 Satisfactory
3	涂层外观 Appearance of coat	目测 Visual inspection	平整, 无缺陷 Flat, no defects	合格 Satisfactory
4	干燥时间(表干) Drying time (surface)	手触 Hand touch	≤2h	1h/合格 Satisfactory
5	附着力 Adhesion test	拉开法 Pull-off test	-	1.0MPa
6	耐冲击性 Impact resistance	实验室报告1 No.1 of lab report	≥20cm	50cm/合格 Satisfactory
7	耐水性(96h) Water resisting property	实验室报告1 No.1 of lab report	无异常 Normal	合格 Satisfactory
8	耐碱性(48h) Alkali-resistant	实验室报告1 No.1 of lab report	无异常 Normal	合格 Satisfactory
9	耐洗刷性(2000次) Washing resistance (2000 times)	实验室报告1 No.1 of lab report	漆膜无损坏 The paint film is not damaged	合格 Satisfactory
10	耐温变性(3次循环) Temperature denaturation (3 cycles)	实验室报告1 No.1 of lab report	无异常 Normal	合格 Satisfactory
11	透水性 Water permeability	实验室报告1 No.1 of lab report	≤0.6ml	0.5ml/合格 Satisfactory
12	耐人工老化性(600h) Artificial accelerated weathering	实验室报告1 No.1 of lab report	外观: 不起泡、不剥落、无裂纹 Appearance: no blistering, no peeling, no cracking	合格 Satisfactory
			粉化等级: ≤1 Pulverization level ≤1	0 合格 Satisfactory
			色变等级: ≤2 Color change level: ≤2	0 合格 Satisfactory
13	中性盐雾(168h) Neutral salt spray test	实验室报告1 No.1 of lab report	不起泡, 不生锈 No blistering and rust	合格 Satisfactory
14	燃烧性能 Combustion performance	实验室报告1 No.1 of lab report	A级	合格 Satisfactory
15	导热系数 Coefficient of thermal conductivity	实验室报告2 No.1 of lab report	≤0.0016W/m·°C	0.0012W/m·°C/合格 Satisfactory

注: 实验室报告1: 国家建筑防火产品安全质量监督检验中心检验报告(报告编号: JC2019TL0722)

No.1 of lab report: Inspection report of national supervision and inspection center for safety and quality of building fire prevention products (No JC2019TL0722)

实验室报告2: 拉里奥诺夫北方物理技术问题研究所检测报告(报告编号: 2 от 10.02.2014)

No.2 of lab report: Институт Физико-Технических Проблем Севера имени В.П. Ларионова (№ 2 от 10.02.2014)

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