



伊朗南方铝厂300kt/a电解铝项目 SALCO 300kt/a ALUMINUM SMELTER PROJECT

复合硅酸盐保温涂料

Compound silicate insulation material

随机资料

Final Document

合同号/Contract No.: 0101S10-P-CON176

供货商/Supplier: Baiyin Haide Industry & Trade Co.,Ltd.

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一、使用维护说明书

本产品所含成分由硅酸铝纤维棉、膨润土、珍珠岩、海泡石保温材料复合而成，并配制一定量的阻燃添加剂（无机氢氧化镁），经特殊工艺制成复合粘稠状膏体，干固后形成封闭多孔网状结构复合保温涂料。硅酸盐保温涂料为不燃、不爆、无毒、无腐蚀之安全产品。硅酸盐保温涂料贮运中注意密封，要防止受潮和雨水浸入，硅酸盐保温涂料材料受潮即失效。

硅酸盐保温涂料不能长期受阳光照射也不能受潮，所以硅酸盐保温涂料应放在阴凉、干燥的库房内密封保存，硅酸盐保温涂料的有效贮存期为九个月。

当硅酸盐保温涂料施工涂覆于基材表面时，遇到火焰或热辐射时，硅酸盐保温涂料迅速发生物理化学变化，隔绝热量，阻止火焰传播蔓延，起到阻燃作用。

施工方法：使用本产品前，应将设备表面灰尘、油污铁锈清除干净。使用工具进行涂刷施工，要轻涂，薄涂交叉温度达到要求为止。对于热设备的施工，因温度过高致使图层起泡，应刺破气泡排气，以保证应有的粘接强度

MAINTENANCE MANUAL

Basic material of the product is natural mineral such as selected silicate and the auxiliary material is a variety of light body mineral and mixed with certain quantity of chemical additives such as compound high-temperature adhesion agent. With the application of electrostatic principle, the product is a kind of compound sticky paste which is made by special process. after dried, the compound insulation material is formed to closed porous network structure. The silicate insulation coating material is non flammable, non explosive, nontoxic and non corrosive product .in transportation, the silicate insulation coating material should be stored hermetically to avoid humidity and rainwater intrusion. if get wet, the silicate insulation coating material will no longer has any effect.

Silicate insulation coating material should be stored hermetically t in a cool and dry store house to avoid sunlight and humidity. The effective storage period of the Silicate insulation coating material is 9 months.

After painted on the surface of base material, when meets flame or heat radiation, the silicate insulation coating material gets Physical and chemical changes to isolate from heat and prevent flame propagation. In addition, the silicate insulation coating material can beautify the appearance of the base material, anti-corrosion and extend the service life of the base material.

Application method : Dust, oil stain and iron rust on the surface of the equipment should be removed before the product application. Brush gently with clay tools till the crossing point temperature meets the requirement. for thermo-equipment application, bubble of the paint coat due to high temperature should be pierced to let out the air for cohesional strength.

二、合格证 CERTIFICATE OF CONFORMIT

白银海德工贸有限公司

Baiyin Haide Industry & Trade Co., Ltd

产 品 合 格 证

Certificate of Conformity

顾客名称: Customer:	中国有色金属建设股份有限公司 China Nonferrous Metal Industry's Foreign Engineering & Construction Co., Ltd.
产品名称: Product Name:	复合硅酸盐保温涂料 Compound silicate insulation material
合同编号: Contract No.:	0101S10-P-CON176
批号: Batch No.:	HD441110A01
交货数量: Quantity:	200m ³

签发日期: 2018 年 6 月 14 日

Date of Issue: July 14, 2018



三、产品检测报告 PRODUCT TEST REPORT

检测报告 Test Report

产品名称 Product		硅酸盐复合保温材料 Compound silicate insulation material		
生产单位		白银海德工贸有限公司 Baiyin Haide Industry & Trade Co., Ltd		
产品批号	Batch number	HD441110A01		
样品数量	Sample quantity	25000g		
检验依据	Standard of test	《BD11790-89》		
检验项目 Test Items	计量单位 Unit	技术要求 Technical Request	检验结果 Test result	单项判定 Comment
外观 Appearance	/	固体 干燥后呈本白色 White solid after drying	合格 OK	合格 OK
干燥密度 Drying Density	kg/m ³	≤200	187.6	合格 OK
浆液密度 Seriflux Density	kg/m ³	≤750	742.6	合格 OK
导热系数 Thermal Conductivity	w/m. °C	≤0.032	0.030	合格 OK
粘结强度 (25°C) Bond Strength	MPa	≥0.012	0.013	合格 OK
抗压强度 Compressive Strength	MPa	≥0.85	0.92	合格 OK
耐水性 Water Resistance	/	无开裂、气泡、脱落现象 None Cracking, None Bubble, None Shedding	合格 OK	合格 OK
耐腐蚀性 Corrosion	/	无开裂、气泡、脱落现象 None Cracking, None Bubble, None Shedding	合格 OK	合格 OK
650°C焙烧3小时收缩率 The Shrinkage at 650°C after roast for 3 hours	%	≤1.1	0.9	合格 OK
PH	/	7.5±1.0	7.5	合格 OK
可燃性 Inflammability	/	阻燃 Inflaming retarding	合格 OK	合格 OK
检验员 Inspector	孟霞	判定结论 Conclusion	合格 OK	合格 OK

审核: 路科平
Check

批准: 卢顺龙
Approval

签字日期: 2018.6.1
date of signing