



COEPOX 220 / 223 / 225 ESD (1.5~3mm)

环氧防静电自流平系统 ELECTROSTATIC DISSIPATIVE EPOXY SELF-LEVELLING SYSTEM

COEPOX 220 ESD (1.5~3mm) 是双组份无溶剂高强度环氧防静电自流平系统。
 COEPOX 223 ESD (1.5~3mm) 是双组份无溶剂含有特殊导电材料的环氧防静电自流平系统。
 COEPOX 225 ESD (1.5~3mm) 是双组份无溶剂环氧防静电自流平系统。
 三种系统同时具备优异的耐化学品和机械性能，容易清理，可以分别满足不同要求的防静电地坪。
 COEPOX 220 ESD (1.5~3mm) is a two-component, solvent-free epoxy-based electrostatic dissipative self-levelling system with high intensity.
 COEPOX 223 ESD (1.5~3mm) is a two-component, solvent-free epoxy-based electrostatic dissipative self-levelling system containing special electrostatic conducting material.
 COEPOX 225 ESD (1.5~3mm) a two-component, solvent-free epoxy-based electrostatic dissipative self-levelling system.
 These systems also ensure good chemical resistance, good mechanical properties, easy cleaning and total waterproofness.

适用场所 Applications

- > 医院, 电影院 Hospitals and theatres
- > 电子及电类工业 Electronic and electro-technical industry
- > 核电站 Nuclear power plants
- > 溶剂及燃料储存库 Solvents and fuel storage facilities
- > 易燃易爆的厂房及仓库
Explosives manufacturing and storage facilities
- > 使用电子及机器人操作的工厂
Facilities using electronic and robotic handling systems
- > 电子数据处理中心 Electronic data processing centres
- > 易燃材料储存库 Flammable materials storage facilities
- > 制药公司生产车间地面
Production floors in pharmaceutical companies
- > 使用电子、雷达及卫星监视设备的军工厂
Military plants using electronic, radar and satellite observation equipment

自流平光面
Self-levelling glossy finish

防静电
Electrostatic dissipative

高洁净度
High cleanness

良好的耐化学品性能和机械性能
Good chemical resistance
& Good mechanical properties

技术标准 Technical standard					
系统接地电阻 System grounding resistance	220ESD: $5 \times 10^4 \Omega < R_E < 10^6 \Omega$	223ESD: $< 10^6 \Omega$	225ESD: $10^6 \Omega < R_E < 10^8 \Omega$		
拉伸粘结强度 Tensile bond strength	220ESD: $\geq 3.5 \text{MPa}$	223ESD: $\geq 5.2 \text{MPa}$	225ESD: $\geq 3 \text{MPa}$		
抗压强度 Compressive strength	220ESD: 76MPa	223ESD: $\sim 71 \text{MPa}$	225ESD: $\sim 90 \text{MPa}$		
耐磨性 (750g / 500r) Wear resistance	220ESD: 0.025g	223ESD: 0.029g	225ESD: 0.013g		
耐冲击 II 级 Impact resistance Class II	合格 Passed				
耐水性 (168h) Water resistance	合格 Passed				
硬度 Hardness	220ESD: 61.8	223ESD: ~ 84	225ESD: ~ 70		
防滑性 (干摩擦系数) Slip resistance (Dry friction coefficient)	220ESD: 0.62	223/225ESD: > 0.5			
耐碱性 (20%NaOH, 72h) Alkali resistance	合格 Passed				
耐酸性 (10%H ₂ SO ₄ , 48h) Acid resistance	合格 Passed				
耐油性 (120#溶剂汽油, 72h) Oil resistance (120 # solvent gasoline)	合格 Passed				
VOC	220ESD: 16.8g/L	223/225ESD: $< 60 \text{g/L}$			

步骤 Step	产品 Product	说明 Information	理论用量 Consumption	施工方法 Application method	覆涂间隔时间 Overcoating
基面 Substrate	处理 Preparation	机械处理, 清洁 Mechanical treatment and cleaning of substrate	—	—	—
底涂 Primer	COEPOX 111 / 120	无溶剂环氧底涂 Solvent-free epoxy resin primer	0.3~0.5kg/m ²	滚涂 Roller	16小时后 Allow 16 hours
导电电网 Conductive grid	导电铜箔 COPPER TAPES	铺设自粘型导电铜箔, 与接地端子连接 Laying of self-adhesive copper tape grid connected to an earthing point	—	—	—
导电底涂 Conductive primer	COEPOX W130	水性环氧导电底涂 Water-based epoxy conductive primer	0.1kg/m ²	滚涂 Roller	16小时后 Allow 16 hours
自流平 Self-levelling finish	COEPOX 220 / 223 / 225 ESD	无溶剂环氧防静电自流平 Electrostatic dissipative self-levelling solvent-free epoxy resin coating	1.2~1.8kg/m ²	镟涂 Trowel	—

