



# COEPUR S705 ESD (0.1mm)

## 防静电高耐磨聚氨酯罩面

### ELECTROSTATIC DISSIPATIVE, HIGHLY ABRASION-RESISTANT POLYURETHANE TOPCOAT

COEPUR S705 ESD (0.1mm) 是三组份高固含脂肪族防静电聚氨酯罩面涂料，具有稳定持久的防静电性能，并具有极佳的耐磨及良好的耐化学品性能。可作为 COELAN 环氧或聚氨酯防静电地坪系统的罩面层。

COEPUR S705 ESD (0.1mm) is a three-component, high-solid aliphatic polyurethane based product with long-lasting and stable electrostatic dissipative performance. It has excellent abrasion resistance and good chemical resistance performance. Used as topcoat for COELAN epoxy or polyurethane electrostatic dissipative systems.

#### 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
- > 航天工业 Aerospace industry

- 防静电  
Electrostatic dissipative
- 优异的耐磨性  
Excellent abrasion resistance
- 耐 UV 性能佳, 不黄变  
Good UV resistance, non-yellowing
- 半哑光纹理表面  
Semi matte textured surface

#### 技术标准 Technical standard

表面电阻 (静电型) Surface resistance (Electrostatic conductive type)	6.1×10 <sup>5</sup> Ω
体积电阻 (静电型) Volume resistance (Electrostatic conductive type)	3.4×10 <sup>5</sup> Ω
表面电阻 (静电耗散型) Surface resistance (Electrostatic dissipative type)	2.5×10 <sup>7</sup> Ω
体积电阻 (静电耗散型) Volume resistance (Electrostatic dissipative type)	1.2×10 <sup>7</sup> Ω
耐磨性 (750g / 500r) Wear resistance	0.008g
耐冲击性 (1000g钢球) Impact resistance (1000g Steel ball)	合格 Passed
拉伸粘结强度 Tensile bond strength	3.6MPa (标准 Standard) 2.7MPa (浸水 After soaking)
防滑性 (干摩擦系数) Slip resistance (Dry friction coefficient)	0.68
铅笔硬度 Pencil hardness	5H
耐水性 Water resistance	合格 Passed
耐油性、耐碱性、耐酸性 Oil & alkali & acid resistance	合格 Passed

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 base	—	—	—
底涂 Primer	COEPOX 111 / 120	环氧底涂 Epoxy resin primer	0.3~0.5kg/m <sup>2</sup>	滚涂 / 刮涂 Roller / Scraper	16小时后 Allow 16 hours
导电地网 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 <sup>2</sup>	滚涂 Roller	16小时后 Allow 16 hours
中涂 Intermediate layer	COEPUR W700 ESD COEPOX W133 ESD	水性聚氨酯/环氧防静电涂料 Water-based, electrostatic dissipative PU / epoxy coating	0.2~0.4kg/m <sup>2</sup>	滚涂 / 刮涂 Roller / Scraper	12小时后 Allow 12 hours
罩面 Topcoat	COEPUR S705 ESD	防静电高耐磨聚氨酯罩面 Electrostatic dissipative, highly abrasion-resistant polyurethane topcoat	0.1kg/m <sup>2</sup>	滚涂 / 刮涂 Roller / Scraper	—

