

产品简介 Product Description

PU-50M 型双组份聚氨酯胶粘剂, 专为彩色防滑路面使用, 有各种颜色。在沥青或水泥路面上涂胶后, 撒上彩色陶瓷类骨料, 使路面铺得丰富多彩。广泛用于城市干道、园林小区、体育场馆, 起到交通警示、减少事故、防滑降噪、美化环境的作用。经国家交通安全设施质量监督检验中心检测, 其涂膜外观、低温抗裂性、耐水性、抗滑性等 11 项指标符合交通行业标准《路面防滑涂料》中冷涂型涂料的有关规定。

PU-50M is a two-component polyurethane adhesive made specifically for colored anti-slip pavement, available in a range of colors. Coat asphalt or cement, broadcast colored ceramic aggregate, and create a vivid, skid-resistant surface — for traffic warning, accident reduction, noise damping and decoration on city roads, parks and stadiums. Tested by the National Traffic-Safety Facilities Quality Centre, 11 indicators meet the cold-applied "Anti-Slip Pavement Coating" traffic-industry standard.

技术参数 Technical Data

项目 Item	参数 Value
类型 Type	双组份聚氨酯 / Two-component polyurethane
产品颜色 Color	A 组份: 各种颜色 / Various colors B 组份: 棕色液体 / Brown liquid
粘度 Viscosity	A: 7500 ± 100 mPa · s B: 2100 ± 50 mPa · s
固体含量 Solid content	≥ 99%
防滑性能 Skid resistance	干湿摩擦系数 ≥ 0.70 / Wet & dry friction coefficient ≥ 0.70
耐热性能 Heat resistance	80°C 无开裂、不起皮剥落 / 80°C no cracking or peeling
抗冻性能 Cold resistance	-30°C 无开裂、不起皮剥落 / -30°C no cracking or peeling

耐酸性能 Acid resistance	1% 盐酸溶液浸泡 15 天无变化 / 1% HCl, 15 days, no change
耐碱性能 Alkali resistance	饱和氢氧化钙溶液浸泡 15 天无变化 / saturated Ca(OH) ₂ , 15 days, no change
耐磨性能 Abrasion	≤ 0.0035 g/cm ³
抗压强度 Compressive strength (2 d)	≥ 20 MPa
抗折强度 Flexural strength (2 d)	≥ 5 MPa
粘接强度 Bond strength (2 d, 与混凝土)	≥ 3 MPa
耐老化性 Ageing	加速老化试验 72 h 无变化 / 72 h accelerated, no change
适用时间 Pot life	≥ 30 min
固化时间 Cure (20°C)	初固化 ≤ 4 h; 基本固化 24 h / initial ≤ 4 h, full 24 h

施工工艺 Application

1. 地表处理,确保基层坚实、平整、洁净、干燥。Prepare the surface — sound, flat, clean and dry.
2. 按比例混合胶粘剂,搅拌均匀后倾倒在路面,立即用橡胶刮板刮平。Mix A and B per the ratio, stir until uniform, pour onto the surface and squeegee flat immediately with a rubber blade.
3. 在胶面上撒上彩砂,稍作整理;固化后扫除浮砂。Broadcast the colored aggregate over the wet binder, dress lightly; sweep off the loose sand after cure.

注意事项:① 地面潮湿、雨雪天不能施工; ② 不要轻易添加稀释剂,以免粘度过低导致流淌、降低粘接强度。

Notes: ① do not apply on damp surfaces or in rain / snow; ② do not add thinner — it lowers viscosity, causes run-off and weakens the bond.

包装与储存 Packaging & Storage

包装 Packaging: A 组份 20 kg/铁桶 (iron drum)、B 组份 5 kg/塑桶 (plastic drum)。

储存 Storage: 常温仓库存放。Store in an ambient-temperature warehouse.

安全防护 Health & Safety

遵循一般化学品防护措施:保持工作场所通风,佩戴橡胶手套和防护眼镜。B 组份(异氰酸酯)避免吸入与皮肤接触。如溅入眼睛,立即用大量清水冲洗并就医。

Follow general chemical protective procedures: keep the workplace ventilated, wear rubber gloves and safety goggles. Avoid inhalation and skin contact with component B (isocyanate). If splashed in the eyes, flush with plenty of water and seek medical attention.

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