

Product Name

产品名称

SMT-SL600 Self-leveling

SMT-SL600 自流平

Description

描述

SMT-SL600 Self-leveling is a high-quality cement-based fast-setting and early-strength self-leveling mortar for fine levelling of indoor floors with strength ≥ 30 MPa. Manufactured from premium raw materials via a specially developed formulation and process, it features superior performance indicators to meet substrate levelling requirements for various floor covering installations. It is particularly suitable for various building spaces including public areas, commercial premises, medical facilities, educational buildings, transportation hubs, industrial sites and residential constructions.

This product is indicated for:

- Heavy commercial buildings: large shopping malls, supermarkets, hotel lobbies, exhibition halls, logistics centers, parking garages, etc.
- Industrial sites: heavy-duty factories, warehouses, production workshops, forklift aisles, racking areas, etc.
- Public spaces: hospitals, schools, stations, airports and other areas with high strength requirements and heavy foot traffic.
- Underfloor heating systems: applicable for fine levelling of underfloor heating substrates.
- Provide smooth and solid substrates for floor coverings including PVC flooring, wood flooring and carpets.

SMT-SL600自流平是一款优质的水泥基快干早强型自流平砂浆，适用于室内地面精找平，强度（ $\geq 30\text{MPa}$ ）。采用优质原料及特别研发配方工艺，具有较高的各项性能指标，可满足各类型地面铺装施工对基础找平处理的需要。特别适用于如：公共空间、商业、医疗、教育、交通枢纽、工业以及民建等各类建筑空间。

本品适用于：

- 重型商业建筑：大型商场、超市、酒店大堂、展厅、物流中心、车库等
- 工业场所：重型厂房、仓库、生产车间、叉车通道、货架区等
- 公共空间：医院、学校、车站、机场等高强度、高人流区域
- 地暖系统：可用于地暖基层精找平
- 为 PVC 地板、木地板、地毯等地面材料提供平整、坚实的基层

Properties

产品特点

- Good fluidity for highly even substrate levelling.
 - Early strength & fast curing; light foot traffic permitted after approximately 4 hours.
 - Convenient and efficient construction; floor coverings can be installed after 12–24 hours.
 - High compressive and tensile strength, excellent abrasion resistance and long service life.
 - Outstanding anti-static performance, acid & alkali resistance, chemical resistance and anti-efflorescence property.
 - Good decorative performance, dust-proof and easy to clean.
 - Safe material with no pollution, low VOC and eco-friendly.
-
- 流动性好，使基面高度平整
 - 早强快干，约 4 小时可行人
 - 施工便捷高效，12-24 小时可铺地板
 - 具有高抗压抗拉强度、耐磨性好和使用寿命长等优点
 - 具备优异的防静电、耐酸碱、耐化学腐蚀、抗返潮等特点
 - 装饰性能好，防尘、易清洁
 - 材料安全无污染、低 VOC，环保

Applications

产品应用

Before application:

- The substrate must be dry, sound, load-bearing, dust-free, free of contaminants that impair adhesion, and flat.
- The substrate shall be free of hollow areas and possess adequate compressive strength. For reliable adhesion, it is recommended to prime the substrate with SMT-5041 primer.

Construction Method:

- Add clean water in proportion into a clean mixing bucket, then pour in the powder and mechanically stir until a homogeneous slurry is formed.
- For repair thickness below 20 mm, apply the mixed slurry directly by self-leveling or troweling method.
- For repair thickness ranging from 20 mm to 100 mm, mix appropriate clean coarse sand or gravel during construction. Reinforce the mortar layer with fiberglass mesh or steel wire according to the repair thickness.

施工前:

- 基层必须干燥、坚固、可称重、无尘、无妨碍粘杂物，表面平整。
- 基层无空鼓、具有良好的抗压强度；为保证良好的附着力，基层推荐使用SMT-5041界面剂进行封闭处理。

施工方法:

- 在干净的搅拌桶中按比例加入清水，倒入粉剂，机械搅拌至生成均匀的浆料。
- 修补厚度20MM以下，直接使用拌和的浆料，按照自流平或披刮施工工艺进行施工。
- 修补厚度20MM-100MM,施工时加入一定量的干净粗砂或碎石，并视修补厚度，在砂浆层中使用网格布或

铁丝进行加固。

•

Storage

存储要求

This product is non-hazardous. Store in cool and dry place below 10-27°C. Shelf life: 6months. Use as soon as possible.

本产品属于非危险品，储存于温度在10-27℃的阴凉干燥处，有效期为6个月，建议尽早使用。

Note

注意事项

- Construction is not recommended when substrate surface temperature is lower than 5°C or higher than 35°C.
 - Do not construct if substrate moisture content exceeds 8% or without primer treatment.
 - Avoid direct sunlight and strong ventilation within 24 hours after construction to prevent premature surface drying and cracking.
 - Do not use damp, lumpy or expired materials.
 - The construction surface must remain clean, dry and free of contaminants.
 - Use within the shelf life; expired products shall not be used.
 - Construction shall be carried out strictly in accordance with standard procedures.
 - Construction is recommended in well-ventilated environments. In case of accidental skin contact, wipe off immediately and rinse thoroughly with clean water. If splashed into eyes, flush continuously with clean water and seek medical attention promptly.
 - Keep away from children. Store out of children's reach.
 - Trace chemical substances are released during hydration. Maintain adequate ventilation at work areas. The fully cured material is non-toxic to humans.
 - Ambient temperature and humidity affect working time and hydration rate. Monitor environmental conditions before construction and implement timely control or adjustment measures as needed.
-
- 材料表面温度低于5℃或超过35℃时，不宜施工。
 - 基面含水率 > 8%、未刷界面剂不宜施工。
 - 施工后 24 小时内避免阳光直射、强通风，防止表面快速干燥开裂。
 - 已受潮结块、过期产品不宜使用。
 - 施工表面必须保持清洁、干燥、无污垢。
 - 应在产品保质期内使用，过期产品不得使用。
 - 应严格按照规范流程施工。
 - 建议在通风的环境下施工。若不慎接触皮肤，应立即擦拭干净，并用尽快清洗。若不慎接触眼睛，立即用清水冲洗并及时就医。
 - 避免小孩接触。请放置于儿童接触不到的地方。
 - 产品在固化过程中会释放出微量化学物质，作业场所应保持充分的通风，固化后对人体无毒。
 - 环境温、湿度对操作时间和固化速度有一定影响，施工前应关注环境变化情况并及时进行管控或调整。

Shelf life & Instruction

使用寿命和说明

Shelf life: 6months

保质期：6 个月

These instructions are only recommendations, which are based on our experience. We advise preliminary testing before use.

这些说明只是基于我们的经验的建议。我们建议在使用前进行初步测试。

Packaging Specification

包装规格

No. 60 Werer Rd., Laian County Industrial Park
Chuzhou,
Anhui 239000 China
中国安徽省滁州市来安县工业园 C 区纬二路

Anhui Surmount New Materials Co., Ltd.
安徽斯迈特新材料股份有限公司
www.ahsmt.cn

2026.0601

Packaging: 11.3 KG per pail.

本产品采用11.3KG/桶包装。

Technical Data Sheet (Condition: 23°C, 55%RH)

技术参数表 (条件: 23°C, 55%RH)

Test Items		Technical requirements	Typical Data	Test Method
Appearance		Homogeneous, free of lumps	Homogeneous, free of lumps	Visual inspection
Flow Value, mm	Initial Flow Value	≥130	140	JC/T 985-2017
	20min Flow Value	≥130	135	
Tensile Adhesion Strength, MPa		≥1.0	1.59	JC/T 985-2017
Compressive Strength at 24 h, MPa		≥6	28	JC/T 985-2017
Flexural Strength at 24 h, MPa		≥2.0	5.9	JC/T 985-2017
Compressive Strength at 28d, MPa		≥30	33	JC/T 985-2017
Flexural Strength at 28d, MPa		≥6	9	JC/T 985-2017

检测项目		技术指标	典型数据	检测标准
外观		均匀、无结块	均匀、无结块	目测
流动度, mm	初始流动度	≥130	140	JC/T 985-2017
	20min 流动度	≥130	135	
拉伸粘结强度, MPa		≥1.0	1.59	JC/T 985-2017
24h 抗压强度, MPa		≥6	28	JC/T 985-2017
24h 抗折强度, MPa		≥2.0	5.9	JC/T 985-2017
28d 抗压强度, MPa		≥30	33	JC/T 985-2017
28d 抗折强度, MPa		≥6	9	JC/T 985-2017