



EGM – Epoxy Anti-Static Self-Leveling Coating

Non-sparking, conductive epoxy self-leveling flooring system

Product Description

EGM Epoxy Anti-Static Self-Leveling Coating is a seamless, high-performance epoxy flooring system designed for environments requiring both non-sparking and conductive properties. It delivers a glossy, smooth, durable finish with excellent abrasion, chemical and impact resistance. Its stable resistivity ensures reliable electrostatic discharge (ESD) performance, making it ideal for electronics, telecommunications, defense, pharmaceuticals and precision instrument industries.

Key Features & Benefits

- Seamless, glossy and aesthetic surface finish.
- Excellent abrasion, impact, oil and chemical resistance.
- Anti-static and non-sparking performance with stable resistivity.
- Dense, crack-resistant, dust-free finish; strong adhesion to substrate.
- Durable and easy to maintain with long service life.
- Suitable for cleanrooms, electronics plants and high-tech workshops.

Scope of Application

- Electronics and microelectronics production workshops.
- Telecommunication and precision instrument facilities.
- Pharmaceutical and defense industry floors.
- Large-scale clean rooms and dust-free plants.
- Industrial areas requiring conductive and non-sparking epoxy flooring.

Performance Parameters

Test Item	Unit	Result
Adhesion strength	Grade	1
Pencil hardness	H	≥ 2
Abrasion resistance (750g/500r)	g	≤ 0.03
Impact resistance	Kg·cm	Pass at 40
Flexibility	mm	Pass at 3
Water resistance	—	No change after 48 h
Acid resistance (10% H ₂ SO ₄)	—	No change after 56 d
Alkali resistance (10% NaOH)	—	No change after 56 d
Oil resistance	—	No change after 56 d
Surface resistivity	Ω	$10^5 - 10^8$
Volume resistivity	Ω	$10^5 - 10^8$

Construction Process

- Ensure substrate is solid, dry and free of dust, oil and laitance.
- Apply conductive epoxy primer to improve adhesion.
- Install conductive copper tape network as required.

- Apply conductive intermediate layer to enhance ESD control.
- Trowel apply EGM epoxy anti-static self-leveling coating evenly.
- Allow natural curing; protect from moisture, dust and sunlight during curing.

Packaging & Storage

- Supplied in 20 kg sets.
- Shelf life: 6 months in dry, ventilated storage.
- Protect from moisture and direct sunlight; reseal opened containers immediately.

Disclaimer

The information in this Technical Data Sheet is based on laboratory tests and field applications and is provided in good faith. Sino-sina Building Materials Co., Ltd. makes no warranty for results obtained under conditions beyond its control. Users should verify suitability through site trials before large-scale application.