



## H-102 – Self-Leveling Screed

Cement-based self-leveling screed for smooth, precise and durable flooring

### Product Description

H-102 Self-Leveling Screed is a cementitious flooring material formulated for fast, smooth and precise leveling applications. It can be applied to industrial floors, warehouses, shopping centers, basements, sports venues, and other large-scale flooring projects. Once mixed with water and poured, it flows and levels automatically, forming a smooth and dense surface layer, suitable as a wear-resistant finish or as a substrate for PVC, tile, wood, epoxy, or other floor coverings.

### Key Features & Benefits

- High fluidity, smooth leveling, seamless finish.
- Fast strength development, excellent load-bearing capacity.
- Good abrasion and impact resistance.
- Stable dimensions, low shrinkage and crack resistance.
- Environmentally friendly, safe and durable flooring solution.

### Scope of Application

- Industrial floors, factories and warehouses.
- Shopping centers, logistics hubs, parking garages and basements.
- Sports and recreation venues.
- Subfloor preparation for PVC, carpet, tile, epoxy and wood flooring.

### Performance Parameters (JC/T 985-2017)

Test Item	Requirement
Flowability (mm, initial)	≥ 130
Flowability (mm, after 20 min)	≥ 130
Compressive strength (24 h)	≥ 6.0 MPa
Flexural strength (24 h)	≥ 2.0 MPa
Bonding strength (MPa)	≥ 1.0
Wear resistance (g/cm <sup>2</sup> )	≤ 0.50
Dimensional stability (%)	-0.15 ~ +0.15
Surface finish	Smooth, no shrinkage cracks

### Construction Process

- Ensure substrate is firm, dry, and free from dust, oil and laitance.
- Mix with clean water (21–23% by weight) using a mechanical mixer until homogeneous.
- Pour onto substrate and spread evenly with a trowel or spreader.
- Use spike roller to remove air bubbles after pouring.
- Recommended thickness: 3–5 mm.
- Protect from direct sunlight and wind; light foot traffic after 1–3 days depending on conditions.

### Packaging & Storage

- 25 kg moisture-proof composite bags.
- Shelf life: 3 months in dry, ventilated storage.
- Protect from moisture and direct sunlight; reseal opened bags.

## **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.