



## H-101 – Wear-Resistant Floor Hardener

Dry-shake hardener for abrasion, impact and heavy-duty industrial flooring

### Product Description

H-101 Wear-Resistant Floor Hardener is a dry-shake flooring material applied to fresh concrete to increase its abrasion resistance, impact toughness and durability. It is available in metallic and non-metallic aggregate types, providing flexibility for different project needs. The hardened surface layer is dense, dust-free, crack-resistant, and strongly bonded to the substrate, ideal for heavy-duty industrial and commercial floors.

### Key Features & Benefits

- Significantly improves abrasion resistance and impact strength.
- Available in metallic and non-metallic aggregate options.
- Dense, dust-free, non-cracking surface with long service life.
- Strong bonding with base concrete, non-delaminating.
- Cost-effective flooring solution with reduced maintenance.
- Supplied ready-to-use; easy to apply with conventional tools.

### Scope of Application

- Warehouses and logistics centers.
- Parking lots and garages.
- Industrial workshops and heavy-duty production areas.
- Mechanical, textile, and electronic industry floors.
- Commercial facilities such as supermarkets and exhibition halls.

### Performance Parameters (per JC/T 906-2002)

Test Item	Non-Metallic Aggregate Type	Metallic Aggregate Type
Mohs hardness	≥ 7	≥ 8
Compressive strength	≥ 80 MPa	≥ 90 MPa
Flexural strength	≥ 11.5 MPa	≥ 11.5 MPa
Application dosage	4–6 kg/m <sup>2</sup> per 3 mm thickness	4–6 kg/m <sup>2</sup> per 3 mm thickness

### Construction Process

- Place and level the base concrete to specified grade.
- When surface water sheen disappears, apply H-101 in two stages:
  - - First application: Broadcast 2/3 of the material, allow moisture absorption, then trowel.
  - - Second application: Broadcast remaining 1/3 perpendicular to the first, then trowel again.
- Power-trowel until a dense, smooth surface is achieved.
- Cut contraction joints according to design requirements.
- Cure the surface with curing compound or moist curing for at least 7 days.

### Packaging & Storage

- 25 kg moisture-proof composite bags.
- Shelf life: 6 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 confirm suitability through field trials before large-scale use.