



UHPC Floor Mortar – Self-Leveling, Pre-Mixed

Black & White Color Options | Just Add Water & Apply

Product Description

UHPC Floor Mortar is a pre-mixed, self-leveling mortar based on ultra-high performance concrete (UHPC) technology. Supplied in black and white color options, it is ready-to-use by simply mixing with water. The mortar provides excellent compressive and flexural strength, superior abrasion resistance, and long-term durability. It produces a seamless, dense, and aesthetically pleasing floor surface suitable for both industrial and commercial applications.

Key Features & Benefits

- Ready to use – pre-mixed dry mortar, just add water and apply.
- High strength – compressive strength 100–180 MPa, flexural strength ≥ 15 MPa.
- Excellent abrasion resistance – long service life under heavy traffic.
- Slip & impact resistance – stable and crack-free under dynamic loads.
- Color options – available in black and white for design flexibility.
- Durable – resistant to wear, corrosion, and chemical attack.
- Low maintenance – dust-free, seamless, easy to clean.

Scope of Application

- Industrial workshop flooring.
- Logistics warehouses and manufacturing plants.
- Commercial spaces and exhibition halls.
- Parking garages and service areas.
- High-durability public flooring.
- Decorative floors requiring color customization.

Performance Parameters

Test Item	Unit	Result
Compressive strength	MPa	100–180
Flexural strength	MPa	≥ 15
Tensile strength	MPa	≥ 5
Bonding strength	MPa	≥ 3
Elastic modulus	GPa	45–56
Abrasion resistance	mm	2.0–3.0
Impact resistance	—	No cracking, no delamination
Acid/alkali resistance	—	Stable, pH 3–14
Slip resistance	—	Class \geq P20, BPN ≥ 80

Construction Process

- Ensure base concrete is clean, level, and free of laitance, dust, or contaminants.
- Add clean water to UHPC floor mortar (pre-proportioned).
- Mix with paddle mixer until uniform flow is achieved.

- Pour mixed mortar onto the prepared substrate.
- Spread with trowel or pin rake; allow natural flow to achieve smooth finish.
- Use spike roller to remove entrapped air.
- Cover with plastic film and keep moist; curing time typically 7 days before heavy load.

Packaging & Storage

- Supplied in 25 kg composite moisture-proof bags.
- Shelf life: 12 months in dry, ventilated storage.
- Avoid moisture ingress during transport and storage.
- Opened bags must be resealed and used promptly.

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory tests and site experience and is offered in good faith. Sino-sina Building Materials Co., Ltd. makes no warranty of results under conditions beyond its control. Trial application is recommended before large-scale use.