

Dry-Shake Concrete Floor Hardener

1. Construction Sequence

Raw materials and base concrete control → Concrete slurry extraction → First material spreading → First slurry extraction → Surface re-leveling → Second material spreading → Second slurry extraction → Finishing → Curing → Cutting and joint filling

2. Construction Techniques and Control Points

(1) Raw Materials and Base Concrete Control

- 1) Clean the base surface thoroughly and moisten it with water.
- 2) Apply a primer to the base concrete prior to pouring to increase the adhesion between the concrete and the base.

(2) Concrete Slurry Extraction

Perform the wear-resistant floor construction when the base concrete begins to set. Use a mechanical trowel fitted with a metal disc to grind the concrete and move from the perimeter inward to achieve both leveling and slurry extraction.

(3) First Material Spreading

When the concrete is just beginning to set, spread $\frac{2}{3}$ of the specified amount of wear-resistant floor material per square meter evenly across the surface of the concrete.

(4) First Slurry Extraction

After the spread wear-resistant floor material absorbs moisture from the concrete and becomes wet, use a mechanical trowel fitted with a metal disc to perform slurry extraction on the concrete surface. Extract slurry first horizontally, then vertically to ensure uniformity. For edges near walls, manually press and level.

(5) Surface Re-Leveling

Use an aluminum straightedge to re-level the surface of the floor both horizontally and vertically.

(6) Second Material Spreading

Once the concrete has reached a certain hardness (when pressing with a finger leaves an indentation of approximately 1-2 mm), spread the remaining 1/3 of the specified amount of wear-resistant floor material per square meter evenly across the surface, spreading in a direction perpendicular to the first spreading.

(7) Second Slurry Extraction

After the second spread wear-resistant floor material absorbs moisture and becomes wet, use a mechanical trowel fitted with a metal disc to extract slurry. Extract slurry first horizontally, then vertically. Adjust the angle of the trowel according to the hardening of the concrete to ensure uniform color and surface flatness.

(8) **Finishing**

Based on the hardening of the floor, when pressing down with your hand no longer causes significant changes, remove the metal disc from the trowel and finish the surface directly using the trowel blade. Finish first slowly, then faster, starting horizontally and then vertically. Use a hand trowel to patch any areas where sand is exposed.

(9) **Curing**

After finishing, close off the area for curing for more than 7 days. No foot traffic for the first 3 days and no vehicular traffic for the first 7 days.

(10) **cutting and Joint Filling**