weberfloor dry hardener

Cement-based dry shake to provide high abrasion and wear resistant surface to concrete floors

- To harden the floor providing good wear and abrasion resistance
- High impact resistance
- Increase floor resistance to oily substances
- Cost effective
- Easy to use

Product description	**weberfloor dry hardener** is a cement-based dry shake to provide high abrasion and wear resistant surface to concrete floors. It is suitable for all industrial areas and any areas where subject to heavy traffic.
Consumption	5 kg/m^2
Packaging	25 kg bag
Color	Grey (natural cement)

Saint-Gobain Weber Co., Ltd.
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Concrete preparation

- The delivered concrete should be of consistent quality.
- The surface of concrete should be leveled to ease the application.
- The concrete mix should be designed to minimize segregation and bleeding.
- Concrete slump between 75 and 110 mm is recommended.
- Compressive strength of the concrete should be minimum 25 N/mm^2.
- Leave the concrete to be stiff for light foot traffic, leaving the footprint not deeper than 3-5 mm, before starting the application.

Application

1. If the area is too large, divide it into smaller bays.
2. The application can be done after concrete stiff as stated above when all bleed water should evaporate. Remove the remaining water.
3. Apply **weberfloor dry hardener** in 2 steps.
    - 3.1. Sprinkle **weberfloor dry hardener** evenly on the concrete surface at the consumption of 3 kg/m^2. When the sprinkled product becomes dark uniformly from the moisture absorption of the concrete, the first application can now be floated by using wooden trowel or using power float in large areas. Do not over-work the surface.
    - 3.2. After suitable floating, sprinkle evenly the remaining 2 kg/m^2 of **weberfloor dry hardener** on the surface. After the moisture is absorbed, the surface can be floated as the same way as the first step.
4. Final finishing by using blades or power float can be done when the floor has stiffened properly.

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Limitations

1. Application timing is very important. If too early, excess water will be absorbed and the surface strength could be lower than normal and dust can be caused. If too late, moisture can be insufficient to completely hydrate the product. Pitting and crazing of the surface are likely to happen.
2. Particular attention should be paid to bay edges and corners to absorb heavy impact or wear. Sprinkle **weberfloor dry hardener** immediately after the base concrete is levelled on a strip of 100–150 mm wide along the bay edges. Steel trowel into the surface.
3. It is recommended to cure the concrete floors with **weberfloor liquid hardener** or other suitable curing compound 3–5 hours after final finishing to prevent cracks. To ensure the physical properties, curing is recommended for minimum 7 days.

Shelf life and storage:

Store in dry conditions in closed bag provides 12 months shelf life.

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Technical data

Properties	Standard	weberfloor dry hardener
Density	-	1.55 g/cm^3
Application temperature	-	+10 to +35 °C
Surface hardness	Moh's hardness	7 – 8 at 28 days
Abrasion resistance by rotating cutter at 4 minutes (2 cycles)	ASTM C944	Average wearing mass = 0.037 g
Open to light traffic	-	12 hours
Open for full service	-	7 days