

REC FLOOR 26

High quality, dry shake concrete floor surface hardener

PRODUCT

Rec Floor 26 is a high-quality, ready-mixed, dry shake surface hardener in powder form, made with selected aggregates and especially designed to be applied over freshly poured concrete floors to produce a high-abrasion resistance surface.

Rec Floor 26 is ideal for indoor and outdoor high traffic floors. It improves the resistance to various industrial chemicals such as oils, greases, detergents and hydraulic fluids commonly used in industrial activities.

SCOPE OF USE

Rec Floor 26 is used as concrete floor hardener in the following applications:

- Garages, warehouses and parking areas.
- Factories and mechanical workshops where clean and dust free floors are required.
- Walkaways.

ADVANTAGES

- Easy to apply
- High quality raw materials
- Dust inhibitor
- Homogeneous blend
- Fully computerized production
- Excellent compressive strength
- Excellent abrasion strength

CHARACTERISTICS	
Form	Powder
Color	Grey
Bulk Density	Approx. 1.7 kg/liter
Compressive strength EN 196-1	@ 7 days >55 Mpa @ 28 days >80 Mpa
Flexural strength EN 196-1	@ 7 days >10 Mpa @ 28 days >12 Mpa
Coverage rate (coverage rate may vary depending on surface condition and scope of use)	Approx 3-5 kg/m ²

APPLICABLE STANDARDS

EN 13892 3/2 ,EN 1015-12, BS 1881-207.

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

Rec Floor 26 floor hardener is commonly applied to fresh concrete to enhance the surface's durability, abrasion resistance, and aesthetic appeal. The following steps should be respected before and during the application of **Rec Floor 26**.

The base concrete should be poured and compacted in accordance with good concrete practice. The concrete floor should contain 300 kg/m³ minimum cement content and should have w:c ratio of 0.55 maximum. The compressive strength after 28 days should be 30 N/mm² minimum and the concrete floor thickness should be at least 10 cm. Begin by pouring fresh concrete onto the prepared subfloor, then spread the concrete evenly to the desired level and thickness. Level the concrete floor using straight edge bar and compact it well with a vibrator ensuring that there is no bleeding or segregation. Smooth the surface with wooden trowel then Leave the finished surface for approximately one hour till it starts to dry.

Note: The application of **Rec Floor 26** should be started after excess moisture has disappeared from the surface and while the concrete is still in plastic phase. The application of **Rec Floor 26** too early will lead to poor results.

PRODUCT PREPARATION

Rec Floor 26 is a premixed easy to use product that comes in powder form and do not requires any additives or preparation prior to application. Select a clean, dry, and well-ventilated area to unpack the product. Ensure there is enough space to lay out the contents and work comfortably.

PRODUCT APPLICATION

Once the bleed water has stopped, broadcast about 2/3 of the total required quantity of **Rec Floor 26** to the concrete floor, ensuring uniform distribution without leaving lumps.

Leave **Rec Floor 26** to absorb the moisture from the concrete floor, then, finish it using wooden trowel into the concrete floor surface. Apply the remaining third of the total quantity of **Rec Floor 26**, then finish it with wooden trowel into the concrete floor surface. If tearing of the surface happens, re-float the slab until the concrete closes up. It may be necessary to broadcast a third application of hardener if there are still areas where the hardener has not fully absorbed into the slab.

When the concrete floor surface has stiffened and gained strength to walk on with leaving minor indentations, finish the surface with power float or steel trowel.

Warning: Do not sprinkle water while power floating as it will weaken and discolor the surface.

Sawcut the concrete floors as soon as possible, then protect the concrete floor surface from air drafts to prevent surface drying and cure with water for three days.

PRECAUTIONS

Avoid applying **Rec Floor 26** in direct sunlight or during hot winds. Both factors will lead to surface fast drying whilst concrete beneath is still wet.

Allow the concrete to cure fully according to the recommended time during the initial curing period, it's essential to protect the concrete surface from heavy traffic, equipment, or any other loads that could cause damage.



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CONSUMPTION

Approx 3-5 kg/m².

Coverage rate may vary depending on surface condition and scope of use

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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