



Earth fiber HardMaxx 100

HIGH ABRASION, MONOLITHIC DRY SHAKE FLOOR HARDENER



DESCRIPTION

Earth fiber HardMaxx 100 is a pre-mixed powder designed to be applied as a dry shake over freshly floated concrete floor. It contains special hardwearing aggregates which have been selected for their physical properties of high abrasion and wear resistance. It cures monolithically to provide a dense, non-porous surface which is extremely hardwearing and abrasion resistant. Monolithic cure ensures that problems normally associated with these screeds e.g. shrinkage cracking, curing etc. are completely overcome.



FEATURES / ADVANTAGES

- High abrasion resistant floor hardener giving a maintenance free floor
- Bonds monolithically to the base concrete and ensures a hard wearing surface
- Hard dense surface resist to oil and greases
- Easy and economical to apply
- Non-Rusting
- For areas subjected to heavy wear and tear
- Used on areas subjected to heaviest traffic like loading bays, workshops, commercial floors

TYPICAL APPLICATIONS

- Warehouses and Storerooms
- Steel industries, power station
- Agricultural buildings
- Distillation plants
- Laboratories
- Parking areas
- Loading bays
- Workshops
- Commercial floors
- Industrial floors

TYPICAL CHARACTERISTICS

Nature / Appearance	: Single component powder
Color	: Grey
Hardness	: 7 – 8 Moh's Scale
Adhesion to Concrete	: Monolithic

SPECIFICATION COMPLIES

- IS 1237 – 1980
- ASTM C 944
- BS 1881 (Part 116)



DIRECTIONS FOR USE

- Concrete mix should be designed to minimize segregation and bleeding. The base concrete should have minimum cement content of 300 kg/m³ OR M-20 Grade of concrete.
- Water : Cement ratio should be always less than 0.54. Slump should be 70 to 100 mm.
- If required use water reducing agent.
- Application of HardMaxx 100 should begin without delay when the base concrete has stiffened.
- It is recommended that the floor be marked off into bays of known area. Sufficient material then lay out to meet the required spread rates. This is applied in two application states.

COVERAGE

Application Rate (kg/sq.m)	Intended Traffic Use
3 kg	Light
5 kg	Medium
7 kg	Heavy

Note: Application rates are approximate and may vary depending on site conditions, concrete quality and finish required.



METHOD OF USAGE

- The first application is made by using 1/2 to 2/3 of the material required for the area and use. This is evenly broadcasted on to the concrete surface.
- When the material becomes uniformly dark by the absorption of moisture from the concrete this application can be floated. Wooden floats or on large areas, the power trowel with disc may be used. However that the surface is not overworked.
- Immediately after floating the remaining material is thrown evenly over the surface.
- Again moisture is absorbed and the surface can be floated in the same way as before.
- Final finishing of the floor using the power trowel with blades can be carried out when the floor has stiffened so that damage will not be caused.
- Proper curing practices should be adopted after application.



CLEANING OF TOOLS

Tools and equipment can be easily cleaned with water. Skin contact should be avoided as it is slightly acidic & seek medical advice.



STORAGE AND SHELF LIFE

Store the material in cool and dry place (25°C temp). Shelf life is one year when materials are stored in unopened containers as per recommended storage conditions.



PACKING
25 Kg Bag



PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.



DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.

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