

## TECHFLOOR HT 200

DRY SHAKE NON METALLIC READY TO USE ECONOMICAL VERSION OF CONCRETE FLOOR HARDENER

### DESCRIPTION

**TECHFLOOR HT 200** is a specially formulated dry shake non metallic floor hardener, ready to use on site. 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. Techfloor HT-200 is available in natural concrete grey color as standard. Special colors such as brick red, green, etc. which can be produced on request.

### FEATURES / ADVANTAGES

- High abrasion resistant floor hardener giving a maintenance free floor.
- A bond monolithically to the base concrete and ensures a hard wearing surface.
- Hard dense surface resist to oil and greases.
- Easy and economical to apply.
- Ready to use at site.
- Non metallic property will not rust when wet.

### TYPICAL APPLICATIONS

- For areas subjected to heavy wear and tear.
- Can also be used on areas subjected to heaviest traffic such as: loading bays, work shops, machine shops, ramps spill ways etc.
- Steel industries, power station, agricultural buildings, distillation plants, laboratories

### TECHNICAL INFORMATION

Nature : Single component powder  
Color : Natural cement grey

### ENGINEERING DATA

Specification Complies: IS 1237

- Abrasion resistance : It improves the abrasion resistance of the concrete floors by 250%.
- Compressive strength in N/mm<sup>2</sup>  
28 days 50 N/mm<sup>2</sup>

### DIRECTION FOR USE & DOSAGE

- Concrete mix should be designed to minimize segregation and bleeding. The base concrete should have minimum cement content of 300 kg/ m<sup>3</sup> or M-20 Grade of concrete.

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- Water: Cement ratio should be always less than 0.54. Slump should be 70 to 100 mm.
- If required use water reducing agent MasterPlast PL-1. Application of Techfloor HT-200 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.
- (The first application is made by using ½ to 2/3 of the material required for eventual and use). This is evenly broad caste 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 materials 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.
- Note:-It is recommended that Techfloor HT-200 is applied by an approved by Choksey's approved Applicators. If required please contact your local Choksey's representative.

### COVERAGE

- TECHFLOOR HT- 200 is applied at different rates per m<sup>2</sup> to provide floor surfaces suitable for different types of industrial use.
- Application rate kg/sq. m                      Intended traffic use  
7.0    Heavy  
5.0    Medium  
3.0    Light

### CLEANING OF TOOLS AND EQUIPMENTS

Tools and equipment's 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<sup>0</sup>C temp). Shelf life is one year when materials are stored in unopened containers as per recommended storage conditions.

**Important:** Reseal container carefully after use and before disposal.

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**PACKING:** 30 kgs bag

### **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 non performance.