

# PC Floor HD



Non-metallic floor hardener

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## Product Overview

PC Floor HD is a cement-based non-metallic floor hardener with selected aggregates and hydraulic binders. It is an economical concrete floor hardener recommended for all kinds of floors. It creates an aesthetically pleasing floor with significantly improved abrasion resistance.

## Areas of applications

1. Industrial and commercial buildings
2. Basement and cellars
3. Mechanical workshops
4. Storage rooms
5. Corridors, halls and washrooms of public places
6. Educational institutions
7. Parking areas
8. Loading platforms
9. Auto Showrooms and service centres
10. Restaurants and Diaries

## Properties

1. PC Floor HD provides an attractive floor which in turn creates a pleasant working environment.
2. It is available in durable and non-fading colours.
3. Its usage minimizes floor maintenance.
4. Exhibits increased resistance to ingress of oil and grease; easy to clean floors
5. Non-rusting materials make it possible to use PC Floor HD.

## Guidelines for Usage

The screeds over which PC Floor HD has to be applied should be minimum M25 grade and should be minimum 75 mm thick. The concrete should be free from bleed water and segregation.

**Conditions of the substrate:-** The concrete should be levelled off with a straightedge and then vibrated. The surface is then floated with a wooden float ensuring that it is not closed. PC Floor HD is ideally applied to a surface which is neither too wet nor too dry. Generally, ambient temperatures of 35-45°C is recommended.

**Dry shake application :** Apply two thirds of the required material to the concrete ensuring uniform distribution. Allow applied material to absorb moisture from the concrete surface till a uniform darker colour is visible. Using a wooden float, work PC Floor HD into the concrete ensuring material becomes an integral part of the surface. Apply the balance of material. Again wait until material has obtained a darker colour before floating with a wooden float. When surface is sufficiently firm enough to take the weight of a man leaving only minor indentations, PC Floor HD should be finished off by means of a power trowel. A smooth slip resistant finish can be obtained, but the surface should not be overworked. If manual finishing with steel trowels is to be undertaken, this should be done before concrete becomes firm enough to take foot traffic.

**Curing:-** The curing of the treated substrate has to be done after final finishing. For better results use PC Cure Wax or PC Cure AC.

## Coverage area

PC Floor HD may be applied at rates from 3 to 10 kg/m<sup>2</sup>. Optimum application rates yield better total abrasion resistance and may be used with special considerations. Contact Mcrete technical representative for recommended procedures.

Intended traffic use	Application rate (kg/m <sup>2</sup> )
Heavy	7-10
Medium	5-7
Light	3-5

## Packages available

PC Floor HD is available in 25 kg bags.

## Storage and Shelf life

PC Floor HD should be stored away from direct sunlight. It has 12 months shelf life when stored in original, dry and unopened packs.

## Safety Measures

1. Proper curing and sealing is required.
2. Sufficient manpower is required to produce consistent results on large placements.
3. PC Floor HD must be stored in dry place.
4. Proper safety precautions and tools must be taken into consideration, i.e. wearing safety gloves, safety goggles, safety apron and nose masks, etc.

## Technical data

Aspect	Free Flowing Powder
Colour	Standard. And others as per client requirement
Hardness on Moh's Scale	7-8

For further clarifications Please contact on below address

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