

TECHNICAL DATA FOR BS TOP HARD

Dry Shake Hardener For Industrial Floor

Description for BS TopHard

BS TopHard is a premixed, non-metallic, ready to use powder, designed for application as a dry shake over freshly floated concrete floors or floor screeds to get a monolithic floor with increased abrasion resistance. The product is predicated on hand-picked hardwearing natural aggregates with hardness range eight on Moh's scale. Tests results show that BS TopHard considerably reduces the depth of wear.

Advantages of BS TopHard

- BS TopHard provides a tough wearing surface on concrete floors. This reduces the rate of abrasion from the pedestrian and transport movement and will increase the service lifetime of the concrete floor.
- Easy to use
- Economical to use
- Non metallic – don't rust
- Allows abrasion resistant, hard wearing surface

Uses of BS TopHard

BS TopHard is recommended for treating floor areas, where superior abrasion resistance is desired to minimise dusting and maintenance, but not exposed to serious chemical attack. Application areas include;

- Aircraft hangars
- Basements and cellars
- Mechanical workshops
- Garage for light vehicles
- Storage rooms
- Corridors and halls
- Parking areas
- Loading platforms

Instructions for using BS TopHard

The design and construction of the floor should be suitable to withstand the traffic, impact and such other loads the floor is probably going to be exposed to. The concrete used for flooring should be > M25 grade and should be free of bleed & segregation and should not contain more than 3% air.

Packaging

BS TopHard is available in 20 kg, moisture resistant bags.

Typical Properties of BS TopHard

Aspect :	Free flowing powder
Hardness on Moh's scale :	7 - 8
Abrasion resistance , H22 wheel : (ASTM C501, 1000 cycles)	< 0.75 grams

Coverage of BS TopHard

The rate of application of BS TopHard depends on the service conditions, which the floor will be exposed to. The recommended rates of application are as below:

For heavy-duty traffic	6-8 kg/m ²
For medium duty traffic	5-6 kg/m ²
For light duty traffic	3-5 kg/m ²

Maximum recommended rate for vacuum dewatered floors is 5 kg/m²

Storage and Shelf life of BS TopHard

Store under cover, out of direct daylight and defend from extremes of temperature. In tropical climates the product should be kept in an associate degree cool environment. Shelf life is twelve months once kept on top of.

Failure to adjust to the suggested storage conditions might lead to premature deterioration of the product or packaging. For specific storage recommendations please consult Buildsmart's Technical Services Department.

Safety precautions of BS TopHard

As with all chemical merchandise, care ought to be taken throughout use and storage to avoid contact with eyes, mouth, skin and foodstuffs.