

# Floorhard S

## Hard wearing integral floor hardener

### DESCRIPTION

Floorhard S is an Integral floor hardener, based on hard wearing silicon carbide and corundum. The high cement content and the low water cement ratio in the resulting topping provide a case hardened finish to concrete slabs.

### ADVANTAGES

- Integral bond with the base concrete
- High strength
- Excellent abrasion resistance
- Easy application
- Durable
- Resistant to oil and grease
- Non rusting
- Economical
- Skid resistance

### USES

Floorhard S is the ideal cost effective solution for concrete slabs subject to traffic, abrasion or impact. Industrial applications such as warehouse floors, loading bays, workshops and car parks are ideally suited to the application of Floorhard S.

### TYPICAL PROPERTIES

#### Hardness

Moh's Scale                      Fused Alumina 9  
    Silicon Carbide 9+

### APPLICATION INSTRUCTIONS

#### Preparation

#### Setting Out

Prior to applying the floor hardener it is suggested that the product be laid out along either side of the pour to ensure the correct application rate.

### Application

Apply the dry Floorhard S to the freshly screeded concrete surface by dusting it on in two applications. The first application should be applied as soon as the surface water has disappeared. The product is dusted onto the surface to give an even appearance. The first application is allowed to soak up water from the base concrete before being floated into the surface. Immediately this operation is finished the second half of the application may proceed in the same manner as above. Once the second application is floated into the surface the finishing operation is the same as for normal concrete to give the finish desired. The edges of slabs along formwork and areas near doorways will dry at a faster rate than the rest of the pour and must be watched to ensure that the surface gets the required dose of Floorhard S and is floated up while there is still sufficient moisture available.

### Curing

The application of a curing membrane such as Curecon PW is necessary to improve the durability of the concrete surface.

### CLEAN UP

Clean all equipment with water immediately after use.

### ESTIMATING

#### Packaging

Floorhard S is supplied in 20 kg bags.

#### Estimating Data

Service Condition	Dosage Kg/M <sup>2</sup>	Coverage m <sup>2</sup> /bag
Light	2	10
Medium	3	6.7
Heavy	4	5

### MARKETING SERVICES

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## **FLOORHARD S**

### **STORAGE**

Floorhard S is a cement based product which must be stored in a dry area off the ground.

### **PRECAUTIONS**

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice.

Avoid throwing the product into the surface or application in strong winds, either of which will cause segregation and an uneven appearance.

Floorhard S is non toxic, but it is alkaline in nature.

Any contact with eyes or skin should be washed off with clean water. Protective gloves and clothing should be worn.

### **NOTE**

Material safety data sheets for these and all Aftek products are available on request. Read the MSDS and product label carefully before using.

All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

### **ALLIED PRODUCTS**

Aftek manufactures a broad range of construction products including:

Grouts

Coatings

Admixtures

Adhesives

Sealants

Floor Toppings

Floor Levelling Compounds

Concrete Repair