

Floorhard S

Hard wearing integral hardener for concrete flooring

DESCRIPTION

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

The hard wearing aggregates contained in Floorhard S give excellent resistance to abrasion and impact as well as improving skid resistance in concrete floors.

Industrial applications such as warehouse floors, loading bays, workshops and car parks are ideally suited to the application of Floorhard S.

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

TYPICAL PROPERTIES

Hardness

Fused Alumina (Moh's Scale)	9
Silicon Carbide (Moh's Scale)	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 (cont.)

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 similar manner as above except that the second application should be made in a direction at right angles to the first.

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 good quality curing membrane is necessary to promote full hydration of the cement component of the topping and full integration into the surface of the concrete. This ensures long term durability of the concrete surface.

Aftek Curecon PW or Curecon W are products suited to curing floors treated with Floorhard S

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 ²	Coverage m ² /bag
Light	2	10
Medium	3	6.7
Heavy	4	5

PRECAUTIONS

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

PRECAUTIONS (Cont.)

Ensure a suitable curing membrane is applied as soon as the application of the topping is completed.

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

STORAGE

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

HEALTH AND SAFETY

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 during application and finishing operations.

For more detailed information, please read the MSDS for this product.

TECHNICAL SUPPORT

ITLS manufactures a comprehensive range of high quality, high performance construction products. In addition, ITLS offers technical support and on-site advice to specifiers, end users and contractors.

Please contact your ITLS sales representative or ITLS Head Office for this service

ALLIED PRODUCTS

ITLS manufactures a broad range of products under the Aftek brand, which are used in the construction industry and in manufacturing, including:

Grouts

Coatings

Admixtures

Adhesives

Sealants

Floor Toppings

Floor Levelling Compounds

Concrete Repair

Concrete Curing

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PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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