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# Surface Hard C

## Dust proofing and surface hardening treatment for concrete

### USES

Surface Hard C is a water based, impregnating surface treatment for industrial concrete and domestic floor slabs. This treatment provides an economical solution to dust control problems, and will increase the abrasion resistance of concrete surfaces.

### BENEFITS

- Water based – easy clean up
- Economical – good coverage
- Ease of application
- Improves abrasion resistance of concrete surface
- Readily overcoated with other toppings such as line marking paint
- Reduces surface dust generation for a cleaner work environment
- Ready to use from container

### DESCRIPTION

Surface Hard C is an impregnating solution based on reactive silicates which form hard wearing insoluble binder with the cement paste, resulting in a harder, more cohesive surface layer of concrete.

### TYPICAL PROPERTIES

Colour	Red liquid, dries clear
Specific Gravity	1.10 gm/ml
Recoat Time @ 20°C	6 hours
Trafficable Time	24 hours
Full Cure	48 hours

### APPLICATION

#### Preparation

The areas to be treated with Surface Hard C must be free of oil, grease or other contaminants which may affect adhesion of the product. Loose concrete or other material should be removed from the surface and repaired prior to the application of the Surface Hard C.

#### Priming

Priming is not required for this product.

#### Mixing

Surface Hard C is supplied ready to use from the container.

#### Installation

Pour the Surface Hard C onto the floor to be treated, and use a broom to spread evenly across the surface. Maintain a wet appearance and make sure to recoat porous areas that soak up more material. After flood coating the floor, brush the excess liquid onto the next untreated section of floor and repeat. Ensure that Surface Hard C is not allowed to pool on the surface after treatment is completed.

Second coat is applied in the same manner as the first, however coverage will be greater due to reduced porosity of the concrete. Always ensure you do not leave excess liquid or pooling on the surface after treatment.

### CURING

Surface Hard C is suitable for recoating after 6 hours. Trafficable time is 24 hours, full cure is reached after 48 hours.

### CLEAN UP

All equipment should be cleaned immediately after use using water.

### SUPPLY

Surface Hard C is supplied in 20 litre poly drums. Coverage is approximately 4 – 6 m<sup>2</sup> per litre for the first coat and 5 – 7 m<sup>2</sup> for the second coat.

### STORAGE

Surface Hard C should be stored in a cool, dry place in original unopened containers. Shelf life under these conditions is 12 months.

## PRECAUTIONS

Surface Hard C is designed for use in ambient temperatures between 5° - 35° C and all properties listed above assume a temperature of 20°C. Where conditions outside this range are encountered, please consult our technical staff prior to application.

It is recommended that Surface Hard C be tested on a small section of coloured floors to ensure suitability of use.

Do not use Surface Hard C on floors that have been previously treated with a metallic surface hardener.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

## ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

***Refer to Material Safety Data Sheet for precautions and personal protection***

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