

# Concrete Hardener

## Packaging



## Mixing



## Application



## Uses



## Substrates

Concrete

## Chemically hardens concrete floors

### Description

A clear fluoro-silicate solution that case hardens poorly cured cement masonry structures by impregnating into its capillary spaces and then by chemically reacting with the free lime, it bonds and strengthens the crystalline structure.

### Uses

Apply to concrete and terrazzo floors, concrete block and cement render walls in factories, warehouses, food processing plants, bakeries, dairies and piggeries to improve their durability and life. Applied to limestone or soft high lime content walls it will help prevent sweating.

### Features

- Easy to apply - sweep or brush on with a broom, mop or squeegee
- Permanently case hardens dusty or soft concrete or cement based structures by up to 300% of untreated concrete
- Dustproofs by bonding and strengthening the cement's crystalline structure
- Substantially increases the chemical and abrasion resistance
- Seals the structure against moisture penetration.

### Coverage (Approximate)

Allow at least 1 litre per 4m<sup>2</sup> per coat (two coats are required).

### Performance Data

Improves the abrasion resistance of dusty or poorly cured concrete by up to 3 times. Has good resistance to alkali solution and petroleum solvents but poor resistance to strong acids.

### Specification

The floor hardener shall chemically case harden the concrete surface such as **Concrete Hardener** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

### Application

New surfaces must have cured for at least 14 days and be free from curing compounds, dirt, dust and other contaminants.

Existing surfaces must be free of dirt, dust, wax, grease and other contaminants.

Remove contaminants by washing the floor thoroughly and allow to dry completely.

Apply two coats of **Concrete Hardener** at the rate of 1 litre per 4m<sup>2</sup> per coat, allowing the first coat to dry for 4-6 hours before applying the second. Apply with a mop, hair broom or squeegee. Clean down equipment with water.

### Precautions

- Avoid contact with eyes, open wounds etc. Wash affected area thoroughly with water
- Apply only under good ventilation
- The solution is highly corrosive
- Do not store for long periods.

### Shelf Life

2 years