

# Surface Retarder FH/FV

## Description

Surface retarder is a water-based material that retards the setting of the concrete surface such that the underlying concrete had hardened and the concrete surface can be washed off with stream of water or scrubbed by stiff brush.

## Uses

Surface retarders are available in 2 grades  
FH - for horizontal application (slab surface)  
FV - for vertical application ( form-work)

## Advantages

- It is a one component water-based product and easy to use and environmental green product.
- It is economical to use as it can be brush, roller or spray applied.
- It provides 6mm depth retardation on the concrete surface.
- Reduces cost of surface treatment for subsequent process such as stucco, plaster and waterproofing application

## Applications

Areas of applications particularly in large concrete areas such as

- Provides exposed aggregates for decorative application
- Provides slip resistance
- Provides good adhesion surface for waterproofing process

## Typical properties

Types / Properties	Surface Retarder FH	Surface Retarder FV
Appearance	Red liquid	Green Viscous liquid
Specific gravity	Approx. 1.05	Approx. 1.08

## Application instructions

Surface retarder should not be diluted with any other solvents

### Surface retarder FH

Surface retarder FH should be applied thinly by low pressure spray or brush onto the concrete surface after the final finishing process and after application, the concrete surface should not be disturbed and covered to protect from rain and rapid evaporation. The concrete surfaces should be flushed with water after 6-9 hours dependent on the weather condition to remove the surface retarder and exposed the aggregates

### Surface retarder FV

Surface retarder FV should not be diluted with any other solvents and be applied to the form-work to a continuous film and allow the film to dry. Drying time is dependent on the weather condition.

The form-work must be removed and concrete surface must be flushed with water after 6 - 9 hours dependent on the ambient temperature.

## Cleaning

Brushes and spray equipment should be cleaned immediately after use using clean water. Do not allow the material to dry out.

## Coverage

A general guide is dependent concrete surface, humidity and temperature is approximately.

Surface retarder FH 7 - 10 m<sup>2</sup>/L

Surface retarder FV 5 - 7 m<sup>2</sup>/L

## Precautions

If spillages should be absorbed onto sand disposed in accordance to local regulation

## Packaging

20L pails and 205L drum.

## Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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