

# Fab-Sol Set Retarders

- Controlled Aggregate Exposure
- Flatwork Formulation
- Formwork Formulation
- Easy Application
- More Uniform Appearance

## DESCRIPTION AND USE

FAB-SOL is a series of specially formulated set retardants for use with Portland Cement concrete. FAB-SOL TYPE F is designed for use on concrete flatwork such as sidewalks and driveways. FAB-SOL TYPE SP is a special blend designed for application to forms prior to pouring.

FAB-SOL is designed to retard the set of the concrete at the treated interface, thus allowing the opportunity to wash off the cement paste to leave an exposed aggregate finish.

## ADVANTAGES

FAB-SOL TYPE F is easily sprayed on to any type of finished surface (e.g. steel trowelled, wood floated, etc.).

FAB-SOL TYPE SP is easily applied to wooden or steel forms; and depending upon the rate of application can provide aggregate exposure of up to ¼" in depth.

By retarding the set, both products allow the finisher greater control over aggregate exposure.

## APPLICATION

Since the depth of etch varies with the physical characteristics of the mix, trial panels should be made first in order that the correct covering capacity can be established to achieve the desired result.

### **FLATWORK:**

Immediately after tamping and floating, apply a heavy uniform coating with a low pressure, coarse spray (using a pump type sprayer). This will dry in 2 - 4 hours. The coated surface should be protected from prolonged exposure to sunlight. For best results, the coated surfaces should be hosed off and brushed with a stiff bristle broom no longer than 12 hours after application, taking care not to loosen large aggregate during this operation.

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## **FORMWORK:**

On first usage, a light coat of FAB-SOL TYPE SP should be applied to seal the forms. This will not normally be required for subsequent coats. Apply FAB-SOL TYPE SP to the forms at the coverage established by the test panels. This coating will dry in 2 - 4 hours. FAB-SOL must be allowed to dry completely and be kept dry until the concrete comes in contact with the coated surface.

For best results, during warm weather and especially on southern exposures, the forms should be stripped within 24 hours. In cold weather, forms may be left for a couple of days so long as the concrete does not contain accelerating admixtures. FAB-SOL TYPE SP will brush off easily. If forms are to be re-used, they should be kept dry and cleaned by brushing only. Any build-up on the forms is indicative of excessive use of retarder.

The appearance of exposed aggregate concrete may be enhanced by sealing with a "wet look" sealer such as FABRIGLAZE®. Consult the manufacturer for suitable product recommendations.

## **CAUTION**

Since FAB-SOL TYPE SP is a retarder, care must be taken in placing the concrete not to displace the form coating or to cause excessive movement within the form by poor placing or vibrating methods.

## **LIMITATIONS**

FAB-SOL TYPE SP contains petroleum solvents and should be handled accordingly. Adequate ventilation must be provided and prolonged inhalation of vapours avoided. Material must be kept away from fire or flame. Goggles are advised to avoid eye irritation. Consult the product MATERIAL SAFETY DATA SHEET before using. **AVOID SKIN CONTACT.**

## **COVERAGE**

Coverages can vary from 150 to 300 square feet per gallon depending on the porosity and surface texture of the substrate and the desired degree of aggregate exposure. **TEST PANELS ARE THEREFORE IMPERATIVE.** Typically, smooth surfaces require coverages in the range of 160 square feet per gallon; rough surfaces require more material. On re-treated forms, subsequent coating may require coverages up to 250 square feet per gallon. However, these rates are approximate: the deciding factor for adequate coverage is the amount determined by the test panels to achieve the desired look.

## **GUARANTEE**

FABRIKEM MANUFACTURING LTD. guarantees its products when they are applied in accordance with its printed instructions. Results of inadequate surface preparation, improper mixing, incorrect application, inadequate protection, and other factors beyond the manufacturer's control cannot be held to the manufacturer's responsibility. No responsibility can be accepted beyond the purchase price of the product.

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