

# Safetard Liquid

## Technical Specifications



### Water Based Surface Retarder for Application to Concrete Top Face

Safetard Liquid has been formulated to retard but not kill the set of freshly placed top face concrete that it comes into contact with. Easily applied, Safetard Liquid is both non-hazardous and fully biodegradable and will not discolour the concrete.

### Advantages

- Easily spray applied
- Weather resistant
- Single layer application
- Concrete can be applied immediately or later
- Non-staining
- Water based with no flammable or toxic constituents. Fully Biodegradable
- Any residue left on the formwork is easily removed
- No VOC's

### Application

Apply uniformly by low pressure spray or fine spray watering can in temperatures above freezing to top face of freshly placed concrete immediately after completion of placing and compaction. An excess of surface water due to bleeding of an over-wet mix will hinder penetration of retarder, therefore any excess water should be removed before treatment. After treatment protect from exposure to wind or early applied heat as this may evaporate the retarder carrier before it has sufficiently penetrated the concrete surface. Any absorbent material covering the concrete, such as hessian, should not come into contact with the Safetard Liquid as this will soak up the retarder preventing penetration into the concrete surface. On thick sections and in warmer temperatures a second application should be made on the same working day.

#### Removal of Retarded Matrix:

Remove by low pressure water jetting and/or brooming or wire brushing in two directions at right angles to each other. Under general conditions this should be done early on the day after placing but if this is not possible a further application should be made at the recommended rate as soon as possible on the day after placing.

### Coverage

A coverage of approximately 3-5 m<sup>2</sup> per litre will generally be sufficient but in instances where the concrete mix is very dry and the material is immediately absorbed a heavier coating will be required so that a light residue remains on the surface.

### Storage

Protect from Frost but if the material should freeze in the container then lightly agitate the container after thawing to ensure thorough remixing.

### Shelf Life

Practically unlimited in sealed containers.

### Specification

Safetard Liquid is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

### Health and Safety

The material is non-flammable and is not considered hazardous. If splashes enter the eyes irrigate immediately with copious quantities of clean water. If irritation persists seek medical attention without delay. Hands should be cleaned with soap and water after use..

See separate Safety Data Sheet for further information.