

## AQUATARD

### Formwork and Topface Concrete Retarders

#### Aquatard Formwork Retarder

A non-inflammable pigmented retarder designed to produce an exposed aggregate surface which gives an excellent key for subsequent concreting or surface treatments. Ideal for construction joints and rendering applications.

#### Advantages

- Eliminates the need for expensive and detrimental bush hammering.
- Hard abrasion resistant film which is not easily displaced during concrete placement.
- Can be applied onto all types of formwork both absorbent and non-absorbent.
- Water based and has very low odour. Ideal for areas of poor ventilation.
- Pigmented white to assist in uniform application.
- Surface produced provides an excellent key for subsequent treatments.

#### Technical Information

Drying Time:	1-2 hours
Specific Gravity:	1.32
Viscosity:	Brushing consistency
Coverage:	6-10 m <sup>2</sup> /litre depending on surface porosity.
Stability:	12 months when stored at normal temperatures.

#### Packaging

Aquatard Formwork Retarder is supplied in 5 litre containers.

#### Storage

Store at normal temperatures and do not allow product to freeze.

#### Application Instructions

1. Ensure the material is well stirred before use.
2. Apply by brush or roller one full coat. Aquatard will dry in about one hour depending on ambient temperatures after which a second coat can be applied.
3. The film should be allowed to dry before placing concrete.
4. Once the formwork has been coated with Aquatard Formwork Retarder, it should be protected from frost, snow and rain.
5. Concrete must be placed carefully to ensure the retarder is not removed prematurely.
6. Upon stripping the formwork, between 8-24 hours after concreting, the surface should be brushed and well washed to remove the surface retarded matrix.
7. Clean formwork and equipment with cold water.

#### Health & Safety

Non-inflammable and non-hazardous product requiring no special precautions. However, normal skin and eye protection is recommended. Should contact with eyes result, wash well with water.

#### Limitations

Certain concrete admixtures can have a negating action with Aquatard Formwork Retarder. We recommend that a trial area be prepared if admixtures are to be utilised. During the application of Aquatard good site practice should be adopted. Should any splashes occur, remove with clean water.

#### Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.

## Aquatard Topface Retarder

An aqueous spray applied topface retarder developed for application onto freshly placed horizontal concrete to produce an exposed aggregate surface, excellent for receiving subsequent concrete or toppings.

### Advantages

- Tinted blue to assist in even application.
- The exposed surface produced provides an excellent key for subsequent pours and treatments.
- Produces a uniform medium depth exposed aggregate finish.
- Water based, has no odour, ideal for underground concreting or areas of poor ventilation.

### Application Instructions

1. After compaction (using a wooden float as steel tends to seal the surface), spray Aquatard Topface Retarder evenly at a rate of 3 m<sup>2</sup>/litre using a Nufins Plastic Sprayer.
2. During the curing period protect the surface from rain showers or frost. Polythene sheeting can be used successfully for this purpose.
3. Use a wash and brush off process to remove the retarder matrix which should be carried out as soon as possible after the mass of the concrete has hardened and certainly within 24 hours. Direct sunlight or high temperatures will reduce this time.
4. All equipment should be well washed with water.

### Packaging

Aquatard Topface Retarder is supplied in 25 and 200 litre drums.

### Storage

Store at normal room temperatures away from direct sunlight and do not allow the product to freeze. Shelf life is limited to 6 months under normal storage conditions.

### Health & Safety

Aquatard Topface Retarder is non-flammable and non-hazardous. However, normal skin and eye protection is recommended. Should contact with eyes result, wash well with water.

### Limitations

Certain concrete admixtures can have a negating action with Aquatard Topface Retarder. We recommend that a trial area be prepared if admixtures are to be utilised. During the application of Aquatard good site practice should be adopted. Should any splashes occur, remove with clean water.

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### General Notes

1. Varying factors affect the degrees of retardation, we would always recommend that individual sample tests are carried out before proceeding with the main body of the work. Please note that small test panels may not be representative of larger units due to the exotherm produced in the latter.
2. Where a higher than average exotherm and/or ambient temperature is envisaged, please refer to the manufacturer.



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