

# Fosroc® Acid Etch

constructive solutions

## Concrete remover, cleaning and etching agent

### Uses

For the removal of mortar and plaster runs, droppings and stains from brickwork and concrete surfaces. Also for removal of hardened concrete from tools, machinery and equipment, or rust and mill scale from steelwork.

Suitable for etching of concrete floors and surfaces prior to application of resin or other surface coatings.

### Advantages

- Rapid concrete etching action
- No corrosive action with glass, plastic and rubber
- Cleans hardened concrete from tools and mechanical equipment

### Description

Fosroc Acid Etch is a concrete remover, cleaning and etching agent. It is a combination of acid based material, corrosion inhibitors and dispersing agents and is supplied as a clear green solution.

### Properties

Specific gravity:	Typically 1.08 at 20°C
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## Application instructions

### Cleaning brickwork and rust stains from concrete

A small trial area should be cleaned first to determine the most suitable Fosroc Acid Etch dilution. Pre-wet the surface, then, using a sponge, rub the affected areas with a solution of Fosroc Acid Etch and water. Strength of the solution required will vary but should be between 1:1 and 1:4 (by volume) Fosroc Acid Etch to water. When the action has finished, wash down thoroughly with clean water. As treatment with Fosroc Acid Etch can alter the surface finish of concrete, the minimum concentration necessary for effective removal of stains should be employed. The surface should be washed down with water immediately treatment is complete.

### Cleaning large items of equipment

(Examples are readymix trucks, concrete mixers or barrows.)

Fosroc Acid Etch should be liberally applied to the deposits by a soft broom and allowed to soak overnight if possible. If the surfaces of the deposit can be cracked by mechanical means this will speed up the operation. In severe cases more than one application may be necessary. On completion, dissolved deposits and loose material should be brushed and washed away with clean water.

### Cleaning small tools

Use Fosroc Acid Etch as a dip. The tools should be soaked overnight, then taken out and washed with clean water to remove all loosely adhering materials. Care should be taken to avoid prolonged contact between Fosroc Acid Etch and zinc or aluminium parts of tools, such as rivets, etc.

### Cleaning concrete floors

Pre-wet the floors, then, using a stiff bristle broom, brush the affected areas with a solution of Fosroc Acid Etch and water. Strength of the solution required will vary but should be between 1:1 and 1:4 Fosroc Acid Etch to water. When the action has finished, wash down thoroughly with clean water.

Oil or grease should be removed by treatment with a suitable chemical degreaser followed by water or steam cleaning. Where heavy contamination occurs, as in garages or workshops, pre-treatment with Fosroc Acid Etch assists in freeing oil or grease and renders the action of the degreaser used more effective.

### Removal of rust and mill scale

After wire brushing to remove loose material, apply a solution of Fosroc Acid Etch and water using a soft broom or brush and leave to act for 20 to 40 minutes. Strength of the solution required will normally be between 1:1 and 1:4 Fosroc Acid Etch to water. Wire brush again to remove remaining loose material and finish by thoroughly washing down with clean water. Repeat if necessary.

### Etching concrete floors

For etching surfaces to remove laitance and give a mechanical key before applying resin or other coating, Fosroc Acid Etch should be diluted with water and applied at the rate of approximately 1 litre per 2 square metres. The dilution will depend on the condition of the floors and the degree of etching required, but normally it will be between 1:2 and 1:4. When the action has finished, wash down thoroughly with clean water.

# Fosroc® Acid Etch

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## Spillage

Spillages should be hosed down with plenty of water.

## Caution

Fosroc Acid Etch is acid based and should be handled with care. Acid vapours from undiluted product can damage nearby surfaces, notably causing rusting of unprotected steel. If in doubt about its effect on a material, test a small area before general application.

## Estimating

### Supply

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Fosroc Acid Etch: 25 litre drum

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## Storage

Store in original unopened packaging, in cool dry conditions, away from sunlight.

Shelf life is 12 months in original unopened packaging when correctly stored.

## Precautions

### Health and safety

For further information refer to the appropriate Safety Data Sheet.

### Fire

Fosroc Acid Etch is non-flammable.

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#### Important note

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