

# CIKOacid Etch

## Concrete Cleaning and Etching Agent

### Description

CIKOacid Etch is a cleaning and etching agent for concrete to remove surface contaminations. CIKOacid Etch is a blend of etching agent, corrosion inhibitor, dispersants, etc that effectively removes the surface contamination in concrete.

### Properties

- Easy to apply.
- Rapid etching action
- No corrosive action with glass, plastic rubber and most base metals.
- Cleans hardened concrete from tools and mechanical equipment.

### Application area

CIKOacid Etch is used as a cleaning and etching agent for concrete to provide a clean and rough surface profile for proper adhesion of surface applied materials. CIKOacid Etch will remove:

- Mortar and plaster runs
- Droppings stain from brickwork and concrete surfaces.
- Hardened concrete from tools, machinery and equipment
- Rust and mill scale from steelwork
- Suitable for etching of concrete surfaces prior to application of resin or other surface coating.

### Physical properties

Form	Liquid
Colour	Colourless to pale yellow
Specific Gravity	1.04±0.015 @ 25°C
Flash point	Non-flammable

### Application instructions

Strength of the solution will vary according to the dilution ratio. The dilution will depend on the condition of the floors and the degree of etching required but normally it will be between 1:1 and 1:4 by volume CIKOacid Etch and water.

### Cleaning brickwork and rust stains from concrete:

Rub the pre-wetted affected surface using a sponge with a solution of CIKOacid Etch and water. The surface should be washed down with water immediately after treatment is complete.

### Cleaning large items of equipment:

Ready-mix Trucks, concrete Mixers or Barrows, CIKOacid Etch should be liberally applied to the surface as a deposits by a soft broom and allowed to soak overnight if possible. Mechanical means can be applied over the surface to speed up the cleaning process. In severe cases more than one application may be necessary. On completion dissolved deposits and loose material should be brushed and washed away with and clean water.

### Clean small tools:

Soak the tools should overnight, then taken out and washed with clean water to remove all loosely adhering materials. Care should be taken to avoid prolonged contact between CIKOacid Etch and zinc or aluminium parts of tools, e.g. rivets, etc.

### Cleaning Concrete Floors:

Pre-wet the floors, then using a stiff bristle broom, brush the affected areas with CIKO solution and water. After acid cleaning, wash down thoroughly with clean water. Oil and grease should be removed by treatment with suitable degreasing agents followed by water or steam cleaning. However where heavy contamination occurs, as in garages or workshops, pre-treatment with CIKOacid Etch assists in freeing oil or grease and renders the action of degreasing agents more effective.

### Removal of rust and mill scale:

After wire brushing to remove loose material, apply CIKOacid Etch solution using a soft broom or brush and leave to act for 20-40 minutes. Wire again to remove remaining loose material and brush 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. CIKOacid Etch solution should be applied at the rate of approximately 2m<sup>2</sup>/ltr.

#### **Metal surface:**

The metal surface must be cleaned to remove rust by wire brush, mild sand blasting or sand paper. Apply CIKOacid Etch solution and leave for 30 – 45 minutes. Wash the applied area with water jet. Repeat the procedure if necessary.

#### **Packaging**

CIKOacid Etch is available in 5 ltr cans, 20 litre pails, 210 ltr drums and 1000ltr IBC tank.

#### **Shelf life**

CIKOacid Etch has a shelf life of 12 months if stored in accordance with CIKO instructions.

#### **Storage**

CIKOacid Etch should be stored under enclosed shaded area at temperatures below 35°C. The material is acidic in nature and shall be stored away from oxidising agents, alkalis and metallic powders.

#### **Health & safety**

CIKOacid Etch should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, immediately flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

#### **Technical Support**

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

#### **More from CIKO Middle East**

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*