

CONCRETE ETCHING/REMOVAL MISTIC ACID

TECHNICAL DATA

1.0 DESCRIPTION

MISTIC ACID consists of full strength acid modified with wetting and foaming agents to allow even coverage of vertical or horizontal surfaces.

2.0 PHYSICAL PROPERTIES:

2.1	Colour	Amber.
2.2	Specific Gravity	1.3
2.3	Flashpoint	Non Flammable
2.4	Viscosity	Low.
2.5	Toxicity	Corrosive. Poisonous.
2.6	D.G. Classification	8
2.7	Shelf Life	Unlimited.
2.8	Coverage	Surface dependent. See under application.

3.0 USES

Uses for MISTIC ACID include the following:

- 3.1 Etching of concrete surfaces to give a mechanical key prior to application of surface coatings, or to make surface non-slip.
- 3.2 Removal of cement splashes from decorative or exposed aggregate panels and other surfaces.
- 3.3 Removal of iron oxide (rust) from steel.

4.0 APPLICATION INSTRUCTIONS

MISTIC ACID may be applied as supplied or diluted with clean water depending upon the application. Dilution will slow the reaction proportionally. Paintbrushes with metal ferrule or metal staples in the bristles are not recommended. A cheap unknotted white wash brush or plastic hearth brush should be used. All containers used in the course of applying MISTIC ACID should be made of plastic. Rubber gloves and goggles should be used when handling MISTIC ACID.

In case of splashing on to the skin, wash off with water. The fumes given off by MISTIC ACID are irritating but not harmful unless inhaled excessively.

- 4.1 Etching of Concrete. To acid etch a concrete floor in preparation for a coating or topping that requires a mechanical key dilute MISTIC ACID in the ratio of 1 part acid to between 1 and 3 parts water depending on the surface finish required. Apply the mixture at approximately 2m² per litre and leave the solution foaming until it stops, usually about 5 minutes. A plastic watering can is ideal for large areas. Agitate surface with a stiff broom to dislodge any residue from the surface and then thoroughly flush the surface with copious amounts of water. Vertical concrete surfaces should be treated with undiluted MISTIC ACID.



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TECHNICAL DATA Continued

- 4.2 Thick accretions of concrete are best removed physically before applying MISTIC ACID. MISTIC ACID should be diluted with water to a degree depending on the susceptibility of base material to acid. MISTIC ACID has little or no reaction on non-ferrous metals or organic paints. In all situations a small test on a concealed or unimportant area is recommended. MISTIC ACID should not be used on marble or galvanized steel. Apply solution to the surface as required to remove splashes and flush with copious amounts of water when finished.
- 4.3 Removal of Rust. Apply as required, as supplied or diluted to remove rust and wash down copiously with water when finished. Steel and iron objects will start to rust again very soon after treatment with MISTIC ACID. To prevent this, metal surfaces should be oiled or primed if to be painted immediately after derusting.

5.0 PACKAGING

20 litre carboys and 200 litre drums.



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