

## PRODUCT DESCRIPTION

Permacolour Enviro Etch & Clean is a new safe and environmentally friendly etching agent for concrete. It creates a more even etch than hydrochloric acid without the fumes.

## USES

- Etching coloured and plain concrete
- Removing efflorescence from concrete, plaster and brick
- Cleaning exposed aggregate
- Etching smooth concrete for non-slip

## MIXING

Pour enviro Etch and Clean into a suitable corrosive resistant container. Dilute by firstly adding water and then the Enviro Etch and Clean.

Type of Wash	Acid/Water Ratio
Light Wash	10 parts water to 1-part Enviro Etch and Clean
Medium Wash	4 parts water to 1 part Enviro Etch and Clean
Heavy Wash	Undiluted

## APPLICATION INSTRUCTIONS

All concrete to be acid washed must be free of any previous sealer or paint treatments, oil, grass, overhanging plants, leaves, soil etc.

Prior to acid washing, the concrete should be thoroughly saturated using a hose or watering can. Ensure that the acid solution is poured on wet surfaces only. If the concrete dries during the acid washing process, it should be wet again before applying acid to the surface.

The acid washing process is better managed with the involvement of two people. Whilst one person pours the acid solution out of the watering can, the second person brooms the surface in a circular motion to spread the acid whilst it is reacting with the surface. A bubbling/foaming reaction is evidence of the reaction between the acid and the concrete surface and no areas should be missed, ensuring that the reaction is visible over the entire surface. Avoid walking on areas that have been worked already. The acid stops reacting with the concrete after approximately 30 seconds so there is no need to scrub the surfaces for too long.

On completion of the acid washing and before the reacted acid is allowed to dry, the area should be flushed well with water, ensuring that all the neutralised acid is removed from the surface.

**CONCRETE SHOULD BE 100% DRY BEFORE SEALING**

## SAFETY & STORAGE

Safety glasses and rubber gloves must be worn. Wash hands thoroughly after handling.

**WARNING:** Undiluted Enviro Etch and Clean can cause eye and skin irritation. If eye, skin or hair contact occurs, rinse thoroughly with water. If irritation persists seek medical attention.

**IF SWALLOWED:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if you feel unwell.

May be corrosive to some metals.

## WARRANTY

Permacolour products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification. The information contained herein is true and accurate to the best knowledge of Permacolour. Since we cannot anticipate all possibilities and conditions under which this information and our products may be used, Permacolour hereby accepts no responsibility and offers no warranty in the case of results achieved by the use of our products or of the safe use and suitability of these products. Permacolour offers our products for sale subject to, and "The Customer" and all users are deemed to have accepted our Terms and Conditions of Sale. We warrant our products to be free of manufacturing defects. If any product is found to be defective and was within storage/shelf life, Permacolour will replace the product at no charge to the purchaser. Permacolour makes no other warranty with regards to our products, either expressed or implied. Whilst any information provided by ourselves, both verbally or written, is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. As all Permacolour technical data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.