FIRWOOD

MANUFACTURING PAINTS SINCE 1925.

Concrete etching fluid

Description	An acid etching solution designed for the pre-treatment of concrete surfaces.
Recommended Use	Concrete etching fluid is an ideal way to prepare concrete surfaces for painting. It will remove surface laitance, which is an easily abraded surface layer. To test for laitance, scrape a coin across the surface and if a fine powdery film is easily removed then surface laitance is present. Concrete etching fluid will also neutralise excess alkalinity in new concrete (new concrete must be at least 4 weeks old) and also create a key on very smooth concrete surfaces.
Compliance	Pre treatment solution, not in scope of 2004/42 EC
Recommended Application Methods	Sprinkling can + brush.
Colour Range	Clear
Theoretical Coverage Rate	5m² per litre *coverage rate can be affected by such variables as type and condition of substrate, type of application equipment and individual method of application.*
Packaging	Pack Size : 5 litres Shelf Life : 2 years from shipment date when stored in unopened, original containers. Storage : Store in temperature range 5-40°C
Directions for use	Surfaces should be free from dust, dirt, grease, oil and other contaminants. The use of ***Firwood 110 - Cleaning and degreasing fluid.*** Pre-wet concrete surface with clean water ensuring that surface is uniformly wet without any puddles or standing water. Apply acid etching fluid uniformly over the surface using a sprinkling can or acid tolerant pump unit. During the application process, scrub the acid solution into the concrete using a stiff bristle brush. Allow the acid solution to remain on the concrete as long as the bubbling continues (normally between 2-10 mins). When the bubbling slows noticeably, flush the surface with plenty of water to remove all traces of the acid solution. Check surface profile. Etching should produce a concrete surface which is clean and has a slightly roughened profile. If desired surface roughening is not achieved, repeat etching procedure. Check the pH level of the rinse water on the wet surface with pH paper. Ideal pH level is 7.0 (neutral), but a pH range of 6.0 - 9.0 is acceptable for most coatings. If the pH is below 6.0, residual acid still remains and the surface must be rinsed again and rinse water rechecked. Allow the concrete to dry thoroughly and prior to painting brush and vacuum the surface to remove any traces of laitance or other residue. For further information contact our Technical Service Department.

Firwood Paints Ltd. Oakenbottom Road, Bolton, UK, BL2 6DP
T. +44 (0)1204 525231 F. +44 (0)1204 362522 E. sales@firwood.co.uk W. www.firwood.co.uk
Registered in England No.: 207861 Registered ffice: Oakenbottom Road, Bolton, BL2 6DP

Data sheet Ref 2709/1
Date of issue 03/11/14