

# TECHNICAL BULLETIN



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## ANTI EFF

### MATERIAL & FUNCTION

ANTI EFF is based on phosphoric and nitric acids. It finds use in a number of cleaning applications where strong mineral acids are required to solubilize metal salts on concrete surfaces. It does not contain hydrochloric or sulfuric acids, which may contribute to discolouration and efflorescence.

ANTI EFF is a heavy duty acidic cleaner specifically designed to remove efflorescence from pavers, terracotta, slate or sandstone. Do not use on bluestone, limestone or limestone composite products. As there are many issues surrounding efflorescence always consult your retailer or EnvironeX International first. ANTI EFF will react with and dissolve most surface salts that are the outcome of efflorescence.

### APPLICATIONS

ANTI EFF is especially suited to the removal of efflorescence from concrete, clay and terracotta surfaces. ANTI EFF will also remove dirt and attack vegetable oil and fat spots on these surfaces.

### DIRECTIONS FOR USE:

**General:** ALWAYS WET THE SURFACE FIRST. Working in a small area, apply ANTI-EFF diluted at 25:1 to the affected area. A fizzing reaction should occur. Scrub hard using a deck broom or scrubbing brush and rinse off immediately. LIMIT CONTACT OF ANTI-EFF WITH STONE TO NO MORE THAN 2-3 MINUTES. Repeat if necessary. We DO NOT recommend this product be used any stronger than 15:1 dilution in water as it can leach colour out of concrete pavers and masonry. If sealing, allow at least 2 days for the area to dry and to be sure all traces of efflorescence have been removed.

### *BUILDING INDUSTRY*

On concrete surfaces, ANTI EFF should be applied as a diluted solution (one part of ANTI EFF to 25 parts of water) and should never be any more concentrated than 1:15. Concentrated ANTI EFF is corrosive and will cause pitting of concrete. Contact time should be limited to no more than 3 minutes. Clay and Terracotta surfaces are more resistant to the effects of acid and longer contact times and stronger solutions may be used. The surfaces should be rinsed and neutralized after application. In all cases it is recommended that a small patch of surface be tested before full-scale treatment. Always apply ANTI EFF to a dampened surface. Always check in an inconspicuous area to ensure that no discolouration or

patchiness occurs following application. Uniform application of ANTI EFF is essential.

**SAFETY NOTE:** ANTI EFF is a highly corrosive liquid containing a blend of Nitric and Phosphoric acids. Wear goggles and rubber gloves. Operators should refer to the MSDS for safety precautions.

**PACKAGING**

1, 5, 15 and 200 litre containers.

**IMPORTANT NOTICE TO CUSTOMER**

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***