



Waterproofing Engineering Technologies

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3700 E-4-CLEAN

E-4-CLEAN 3700 is a specially formulated liquid cleaner for concrete, masonry and metal surfaces. E-4-CLEAN is a lower cost alternative to damaging sandblasting with no sand nuisance or dust pollution.

2. Manufacturer

Waterproofing Engineering Technologies
513 South Commerce Street
Sheboygan, Wisconsin 53081

3. Product Description

E-4-CLEAN 3700 is a multi-purpose, super cleaning, mildly acidic liquid specially formulated for the purpose of penetrating and releasing, emulsifying and dissolving contaminants on stucco, concrete, tile, brick or other masonry, exposed aggregate, stone and most metal surfaces to remove the following:

- Efflorescence (white mineral deposits)
- Stains due to rust, minerals, smoke residue, pollutants, paint chalking and water
- Mold, algae and fungus
- Airborne dirt and industrial carbon
- Weathering discoloration
- Rust and corrosion products on metal
- Cement build-up on equipment and tools

ADVANTAGES:

- E-4-CLEAN 3700 is much safer to use than other acids, such as hydrochloric (Muriatic)
- E-4-CLEAN will not burn concrete or masonry like harsh acids have a tendency to do
- prepares surfaces for subsequent applications of paint, stains or adhesives specifically formulated for use on concrete surfaces.
- promotes greater paint or coating durability by helping to resist peeling, cracking or crumbling – increases bonding strength of latex and poly-vinyl paints

LIMITATIONS:

- E-4-CLEAN will not remove heavy grease, wax, or oil deposits, paints such as oil or acrylic base, rubber, epoxy, urethane and other impervious coatings.
- Heavily rusted metal may have to be submerged in E-4-CLEAN rather than being sprayed to completely remove all rust.
- E-4-CLEAN is not effective on plastic or wood surfaces
- Pedestrians, vehicular traffic and parked vehicles should be protected against possible overspray of the cleaner.
- All metal surfaces not being cleaned and vegetation should be covered and/or otherwise protected.

COMPOSITION:

E-4-CLEAN 3700 is a blend of mild inorganic acids, solvents and wetting agents that cause no ecological problem and is very soluble in water.

SIZES:

- 5 Gallon Plastic Pails
- 55 Gallon Steel or Plastic Drums
- 4 Gallons per Case

4. TECHNICAL DATA

Physical Properties

Appearance	Clear liquid
Odor	Mild, sweet fragrance
Toxicity	None
Flash Point	Non-Flammable
pH	2.3 pH Scale Units (full strength)
Weight per Gallon	9.12 Lbs.
Specific Gravity	1.093

Coverage will vary greatly according to the porosity of the surface being cleaned and the severity of the accumulated contaminants. As a general rule, one gallon at full strength will clean from 100 to 200 square feet of surface area. An increase of coverage can be obtained by diluting with water; however, the cleaning action will be reduced accordingly.

5. APPLICATION

Preparatory Work:

No preparatory work is generally required. However, if the concrete surface is coated with heavy wax, thick grease, recently applied surface sealer, rubber or acrylic paint or other impervious material, remove such materials before applying the E-4-CLEAN.

Safety Precautions – Personnel

E-4-CLEAN does not produce harmful gases, vapors or mists that require control measures other than observing reasonable ventilation conditions. However, prolonged breathing of the vapors should be avoided.

If applying indoors, provide adequate ventilation to assure that the fumes are not objectionable to workers. All workers should be protected with rubber or polyethylene suits, gloves, face shield and protective headwear when applying. If splashed on the skin, flush with plenty of water; follow with a water rinse containing one percent (1 %) bicarbonate of soda. If the cleaner should get into the eyes, flush immediately with fresh water for at least 15 minutes and obtain medical attention promptly.

Safety Precautions – Work Area

Care should be exercised to protect adjacent metal surfaces when applying as the cleaner will etch metal. Sensitive metal components such as those found in telecommunication devices or computers may be affected by exposure to vapors from the E-4-CLEAN. If the cleaner should contact a metal surface, rinse thoroughly with water and wipe dry. In the case of electrical devices, make certain that the power has been disconnected before water rinsing to prevent shock or damage to the device. Avoid drift of the spray to surrounding landscape, electrical structures or components, vehicles and passersby. Any areas that could be damaged should be covered with an acid resistant covering.

Preparatory Precautions

E-4-CLEAN may have a tendency to lighten the color of certain concrete, concrete block, stucco, brick or other masonry containing dyes. Before using E-4-CLEAN on any colored surface, a small test area should be tested for color fastness.

The surface treated should be rinsed with fresh water and allowed to thoroughly dry before evaluating any possible color changes.

E-4-CLEAN is designed to react rapidly with most contaminants. However, if etching of the surface is too severe, water may be added to dilute the material. Start by adding one volume of cleaner to one volume of water. Test each dilution on a small area until the best cleaning action is achieved. The typical dwell time is 2 to 5 minutes.

Method of Application

1. E-4-CLEAN can be applied using a low-pressure spray such as a corrosive resistant airless sprayer or with a hand held Hudson type garden sprayer. The material may also be applied with a heavy nap roller or brushed on with a synthetic bristle brush. When spraying, use a light mist and fully saturate the surface to be cleaned.
2. When cleaning vertical surfaces, the recommended procedure is to start at the top, work across and then work downward repeating the pattern.
3. High pressure water ranging from 500 to 2000 psi produces the best results for removing the cleaner with the dissolved contaminants. However, a low-pressure garden hose sprayer generally produces satisfactory results. Rinsing should continue until all sudsing action ceases on the surface.

6. AVAILABILITY

E-4-CLEAN 3700 is available through local distributors and dealers, or may be ordered directly from the manufacturer if a supplier is not available in your area.

7. GUARANTEE

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Waterproofing Engineering Technologies cannot know all of the uses to which its products may be put, or the conditions of use, it makes no warranty concerning the fitness or suitability of its products for any particular purpose.

The user should thoroughly test any proposed use of our products and independently conclude satisfactory performance for the given application. Likewise, if the manner in which our products are used requires agency or government approval, user must obtain it.

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Suggestions of previous users should not be taken as inducements to infringe on any patents.

8. TECHNICAL SERVICES

Waterproofing Engineering Technologies maintains a staff of technical consultants, available to assist with any application. Our research and Development Engineering Department is continually working to improve existing products and methods as well as developing new products.

9. FILING SYSTEMS

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