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# 101 MASONRY RESTORER

## 1. PRODUCT DATA

**Date of Preparation:** March 1, 2015

**Product Name:** 101 Masonry Restorer

**Producer:** Diedrich Technologies, A Hohmann & Barnard Company, 310 Wayto Road, Schenectady, NY 12303

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*This product is manufactured for Commercial/Industrial use. Not recommended for: Household use.*

## 2. PRODUCT DESCRIPTION

DIEDRICH 101 Masonry Restorer combines acids and a biodegradable detergent into a powerful concentrated cleaner for masonry surfaces. This formula penetrates, dissolves, and suspends grime for easy removal by flushing the treated areas with a pressure washer. Removes most airborne dirt, atmospheric carbon, rust, mildew, algae, fungus, exhaust residue, industrial pollutants, weathering discoloration, fire and smoke damage, and most other stains from rough and smooth surfaces of brick, sandstone, field stone, stucco, swimming pools, clay tiles, some limestones (**do not use on Indiana Limestone as it will cause oxidation rust burns; use 707X or 808X Limestone Cleaners**), asbestos and slate shingles, metal and wood. The 101 Masonry Restorer is applied by low pressure spray, roller, or soft fiber brush. Diedrich 101 Masonry Restorer offers a sensible alternative to damaging sandblasting with these advantages:

- Retains the original outer masonry "skin" for natural color and appearance.
- Keeps mortar joints intact and structurally sound, thus avoiding costly and unnecessary tuckpointing.
- Preserves delicate architectural carvings and delicate moldings.
- Water-soluble & biodegradable formula and creates no ecological problems of sand nuisance and dust pollution.

**Limitations:** Products ability to clean is limited where walls, in a bad state of repair, are deeply stained by water penetration through parapets, copings, cornices, belt courses, sills and missing joints. On granite, terra-cotta, glazed tile and face brick, use DIEDRICH 101G. Do not use

DIEDRICH 101 on marble surfaces, use 910 or 910 PM. 101 is not recommended for cleaning concrete surfaces, use 900X, 960 or 101G.

## 3. TECHNICAL DATA

**Physical State:** Liquid.

**Color:** Clear aqueous light amber

**Specific Gravity:** 1.09

**pH:** <1.0 (1:10 dilution - 5.3)

**Coverage:** Coverage will vary according to the porosity of the masonry and the amount of accumulated dirt. As a rule of thumb, however, 1 gallon of diluted (1:1) 101 will clean up to 200 sq. ft. of surface. Increased coverage with dilution.

## 4. PREPARATIONS

**Personnel:** All workers must be protected by rubber or polyethylene complete body coverage suits, boots, gloves, face shield, splash goggles, and protective head gear. Avoid contact with eyes and skin.

**Adjacent Areas:** Protect all glass, vegetation, electrical, anodized aluminum, painted surfaces, asphalt roofing, cars and other adjacent items, buildings and occupants with proper precautions, plastic coverings, and by soaking with water. Avoid drift as it may injure passersby or damage vehicles. Divert traffic.

### **KEEP OUT OF REACH OF CHILDREN AND ANIMALS.**

Safety lines and suspended scaffolding must be equipped with steel or synthetic fiber ropes. **THIS PRODUCT WILL ETCH GLASS AND ALUMINUM. PROTECTION WITH PLASTIC SHEETS IS IMPERATIVE.**

**Test Procedures:** A test patch **MUST** be cleaned prior to full scale cleaning operations. The test patch is necessary to determine compatibility, dilution rates, and required end results. **Individual surface types must be tested.** Inspection of the test areas should occur after the surface has thoroughly dried. The test patch should be available for inspection and approval, then remain as the standard for the project.

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## 5. APPLICATION

101 MASONRY RESTORER can be diluted one part cleaner to up to 10 parts water, depending upon the type of masonry, the degree of accumulated dirt and the method of application and rinse to be used. Best time to rise is within 2 to 5 minutes. In most cases, pre-wet wall to avoid streaking or bleaching of masonry surface. The most effective method of application is with an ACID-RESISTANT AIRLESS LOW-PRESSURE APPLICATOR PUMP - **THE DIEDRICH ACID EXPRESS**, or with a soft densely fibered synthetic acid brush, followed by a pressure washer equipped to produce 500 PSI. Wash until sudsing ceases. Working from top to bottom or bottom to top are all acceptable techniques. To avoid streaking on hard face brick keep lower areas wet and rinsed OR apply and wash from bottom working up

and then a final rinse coming down. When applying outside occupied building, all windows, air intakes and exterior air-conditioning vents should be covered or shut down during and for 30 minutes following application. Hot water will improve cleaning and also extends the season.

## 6. AVAILABILITY AND COST:

Available through a network of 1500 dealers and over 2000 contractors located throughout the United States, Canada, Mexico and Europe. Cost will fluctuate according to the type of masonry to be cleaned, freight and labor costs and other variables.

# REMOVE SELF CLEANING PAINT AND OXIDIZED ALUMINUM SIDING CHALK RUN-DOWN FROM MASONRY SURFACES

When certain types of self-cleaning paints weather, their surfaces powder off and wash down the wall during rains and streaks the masonry. One of the most unsightly and difficult to remove stains is that of chalking paint run-down. White residue particles lodge deeply in the pores of the masonry and are extremely difficult to remove. The same problem can occur when aluminum siding oxidizes. These types of chalking will not wear off but will worsen. Paint strippers or removers will not remove this streaking even though it is caused by the paint. Muriatic acid likewise will not remove or have any effect on this. Muriatic acid mixtures are dangerous and could damage, etch, or bleach the brick and mortar. The only product on the market that safely and effectively removes this chalky run-down are **Diedrich's 101 Masonry Restorer, 101G, or Envirestore 100**.

Diedrich's 101 Masonry Restorer in a 5 to 1 dilution was applied to this wall and simply washed-off with a high pressure water spray. *Note the like-new condition of the results.* To retain this appearance and prevent future streaking we suggest our Diedrich 303-S Siloxseal or Omegaseal 333 series of water-repellents.



**BEFORE**



**AFTER CLEANING WITH 101**