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# ARCHITECTURAL & SPECIALTY MASONRY CLEANER

## 1. PRODUCT DATA

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

**Product Name:** Architectural & Specialty Masonry Cleaner

**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 Specialty Masonry Cleaner is specially formulated for the removal of construction dirt and atmospheric staining from custom masonry and other architectural and pigmented concrete surfaces and colored mortar.

The Diedrich Specialty Masonry Cleaner will also remove mortar smears, rust and mud stains, efflorescence, and atmospheric dirt without affecting the texture of the surface. Diedrich Specialty Masonry Cleaner enhances colors and brightens white substrates and exposed aggregate.

**Limitations:** May damage highly polished stone and other masonry, some non-masonry and acid sensitive substrates. Cast stone and burnished masonry should be cleaned with Diedrich 222 Cast Stone and Burnished Masonry Cleaner in lieu of Diedrich Specialty Masonry Cleaner. Diedrich Specialty Masonry Cleaner will not clean pollution and carbon deposits or smoke and fire residue from masonry and stone surfaces. Do not apply in near freezing temperatures.

**Test Procedures:** A test patch approximately 4 feet by 4 feet is required to be cleaned prior to full scale operations. The test areas are necessary to determine dilution rates, compatibility and required end results.

Individual masonry types must be tested. Inspection of the test areas should occur after a 3 to 7 day dry time. The test patch should be available for the architect to inspect and approve, then remain as the standard for the project.

## 3. PRECAUTIONS

Diedrich Specialty Masonry Cleaner contains phosphoric and gluconic acids. Does not contain muriatic/hydrochloric acid. Do not get in eyes or on skin. All workers must be protected by rubber or polyethylene suits, boots, gloves, face shield and protective head gear. Use with adequate ventilation. Avoid breathing mist and vapor. If used in confined area the use of a respirator with the appropriate filter may be required. When product is to be used on occupied building, the following steps should be taken to protect building occupants from fumes. Close all windows and cover air intake and exterior air-conditioning vents.

Also shut down air handling equipment during application and for 30 minutes following. Employ all necessary precautions and coverings to prevent unnecessary damage to the building being cleaned as well as surrounding buildings, landscaping, electrical and adjacent non masonry items, and acid sensitive surfaces etc. Avoid wind drift and overspray as it may injure passersby or damage vehicles.

### **KEEP AWAY FROM CHILDREN AND ANIMALS.**

Acid deteriorates nylon, cotton and hemp rope. Only use well maintained scaffolding that is equipped with steel cable. Wall cavities must be protected during construction to prevent snow, ice and/or rainwater accumulation inside the wall. Allow surfaces to dry and cure. Moisture accumulation in the walls may result in stains and below par cleaning results. When high strength mortars/grouts are involved, cleaning should occur within 7 days of erection for best results.

## 4. APPLICATION

**Read Product Data Sheet, SDS, and label before use of the product.**

**Equipment:** Application of the properly diluted Diedrich Specialty Masonry Cleaner can be by either a dense, soft masonry brush or low pressure (40 to 50 psi) airless sprayer of a corrosive/acid resistant type such as Diedrich Technologies Acid Express. Never apply Diedrich specialty Masonry Cleaner with spray equipment generating more than 50 psi. Excessive pressure will cause the chemical to be driven deeply into the substrate. Complete rinse removal will prove difficult. Apply diluted Diedrich Specialty Masonry Cleaner freely to ensure complete coverage.

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**Dilution rates:** Dilution rates of from 2 to 6 parts water to 1 part Specialty Masonry Cleaner are possible. Dilution rate should be determined through test sample applications.

**When diluting Diedrich Specialty Masonry Cleaner always place water into a plastic bucket first (never use metal buckets or tools) and then slowly add the Diedrich Specialty Masonry Cleaner to the water.**

**Never use hot water.**

#### APPLICATION INSTRUCTIONS:

##### Exterior:

1. Thoroughly pre-wet surface with fresh water. When working on vertical surfaces keep lower areas well soaked with water to prevent streaking.
2. Apply saturating application of Specialty Masonry Cleaner by brush, roller or low-pressure spray to the surface.
3. Allow a dwell time of 2-5 minutes or until stains disappear.
4. Reapply cleaner and remove by pressure washing with a 40° fan spray. If pressure wash removal is not possible, brush the surface while rinsing with fresh clean water from a garden hose. Rinse from bottom to top. Beware, multiple applications may result in etching of acid sensitive surfaces.

**Interior:** Follow all test and preparation procedures applicable to exterior work, ie., test patches, prewetting, protective coverings. Interior new masonry construction cleaning

projects should be completed before finished flooring, trim work, any type of metal fixtures or any other nonmasonry material are put in place. If said materials have already been installed, take all necessary precautions to prevent damage from contact with the solution and its fumes by covering with polyethylene sheets and supplying ventilation adequate to prevent accumulation of fumes in concentrations that could cause damage. Follow procedures for exterior cleaning; but in lieu of rinsing with a hose or pressure wash, a sponge or soft bristled brush can be used to apply the fresh water necessary to thoroughly rinse the cleaning solution.

**If job conditions dictate limited water use below that required for a thorough rinse, the following steps should be taken.**

1. Rinse with as much fresh water as the situation allows.
2. Mix a neutralization rinse consisting of 1 gallon of fresh water and 2 oz. of household ammonia. Apply liberally to point of saturation
3. Allow a dwell time of approximately 5 minutes.
4. Finally, rinse again with fresh water.

#### 5. COVERAGE

Specialty Masonry Cleaner full strength will cover approximately 150 to 200 sq.ft. per gallon on smooth surfaces. On highly textured, rock faced, and fluted surfaces coverage may be as low as 50 sq.ft. per gallon. Area coverage will increase with dilution.

**WARRANTY:** ALWAYS USE A TEST SAMPLE TO DETERMINE DESIRED RESULTS. PRODUCT FREEZES BELOW 32°F, AND MAY BE ADVERSELY AFFECTED BY COLD WEATHER.

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