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GREEN CLEAN 250 MANUFACTURED STONE CLEANER

1. PRODUCT DATA

Date of Preparation: March 1, 2015

Product Name: Green Clean 250 Manufactured Stone 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 Green Clean 250 is an organic proton with chelator for use in the final clean up of new masonry construction within 3 to 7 days for best results. Green Clean 250 efficiently cleans off residual mortar smears and day to day soiling that occurs on job sites. Green Clean 250 is ideal for cast stone. It will work on brick, stone, tile, exposed aggregate and several other varieties of new masonry construction.

GREEN CLEAN 250 IS IDEAL FOR USE ON CAST/MANUFACTURED STONE. Chelator permits it to cling to masonry surfaces for an extended dwell period. This extended dwell time permits a safer concentration to be used in comparison to the customary dangerous and harsh muriatic acid washes. This results in equal if not better cleaning while exposing the masonry to less actual harmful acid.

Diedrich Green Clean 250 quickly loosens mortar smears and when removed with high or low pressure water virtually all residue will be washed away with little agitation. When used as directed Green Clean 250 will not cause acid burns or streaks. Diedrich Green Clean 250 being a concentrate is a versatile product that can be diluted as job conditions dictate.

(Example: 1 gallon of Green Clean 250 can be diluted to make as much as 10 gallons).

3. LIMITATIONS

Extra care should be taken with increased dilutions when used on glazed substrates and colored mortar. Green Clean 250 Test applications must be accomplished to ensure there are no adverse reactions. Green Clean 250 will not clean pollution

and carbon deposits, or smoke and fire residue from masonry and stone surfaces. **See product literature on Diedrich Restoration Cleaners 101, 101G and 100 ENVIRESTORE.**

4. TEST PROCEDURES

A test patch approximately 4 ft. x 4 ft. is required to be cleaned prior to full scale operations. The test areas are necessary to determine compatibility and preferred end results. Individual masonry types must be tested. Inspection of the test areas should occur after a 2 to 5 day dry time. The test patch should be available for the architect to inspect and approve, then remain as the standard for the project.

5. DILUTIONS

As with any organic based material, water used for dilution should be placed in a rubber or polyethylene container first, then slowly add the Green Clean 250. **Metal containers and tools should not be used and may have a detrimental effect on such containers.**

Adjustment of rates of dilution may be necessary as indicated by the sample test patches.

POLISHED STONE (Granite and Marble)

1 part 250 to 20 parts water. (**CAUTION:** may etch a polished stone surface. Great care must be exercised and testing conducted to ensure etching will or will not occur.)

FOR BURNISHED MASONRY

Refer to Diedrich 222 Concrete Brick and Burnished Masonry Cleanser.

6. PREPARATORY WORK

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. It is highly recommended to complete all masonry cleaning prior to installation of non-masonry items that would be adversely affected by Green Clean 250. All sealant and caulking materials must be in place and cured, per manufacturer's specifications, prior to commencement of the cleaning process.

Employ all necessary precautions and covering to prevent

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unnecessary damage to the building being cleaned as well as surrounding buildings, vegetation, landscaping, electrical, anodized aluminum, asphalt roofing, cars and all other adjacent items with plastic coverings and water-soaking. Avoid drift and/or over-spray as it may injure passersby or damage vehicles. Divert traffic. Will not damage regular glass.

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

Safety: All workers must be protected by complete body coverage with long sleeve rubber or polyethylene suits, rubber boots and gloves, face shield, safety glasses and protective headgear. Avoid contact with eyes and skin. Use with adequate ventilation. If used in confined area the use of respirator with the appropriate filter may be required. The most effective and satisfactory cleaning and results can be expected if commencement of cleaning occurs within 3 to 7 days of masonry installation. Mortar and grout residue/smears allowed to remain on the surface beyond this time frame may be difficult to clean off and with less than acceptable results.

7. APPLICATION

Exterior Surfaces: *Perform a test patch prior to cleaning.*

1. Pre-soak a large area (10 ft. x 10 ft.) thoroughly with water.
2. Application of properly diluted Green Clean 250 can be by either a dense, soft masonry brush or low pressure (40-50 psi) airless sprayer.
3. Dwell time on the wall surface should be about 5 to 10 minutes. Allowing the cleaner to dry on the surface may result in stains and residue.

4. To remove heavy buildup of excess mortar or grout, reapply the Green Clean 250 solution and use a wooden scraper or piece of brick to scrape off the excess, using care not to damage the surface of the masonry.
5. Using fresh water thoroughly rinse the masonry surface for thorough removal of chemical residue, free sand and other loose material and debris. For optimum results application of rinse water should be with a pressure washer fitted with 25°-40° fan type tip providing at least 400 psi and 4 to 6 gallons per minute of water is recommended.
6. If mortar buildup coagulations are too excessive and resistant, use Diedrich 202 or 202V Vana-Stop™ New Masonry Detergents

**NEVER APPLY DIEDRICH CLEAN 250 WITH SPRAY
EQUIPMENT GENERATING MORE THEN 50 PSI.
EXCESSIVE PRESSURE WILL CAUSE THE CHEMICAL
TO BE DRIVEN DEEPLY INTO THE SUBSTRATE. THUS
COMPLETE RINSE REMOVAL WILL PROVE DIFFICULT.**

Note: Lower areas of a wall being cleaned must be kept wet and rinsed of cleaning residue to prevent a streaked appearance.

8. EFFLORESCENCE REMOVAL

For the removal of efflorescence, the dilution ratio should be 1 to 5 parts water or stronger to 1 part Green Clean 250. The application dwell time should be approximately 10 minutes followed by a garden hose low pressure trickle-like water fog/mist rinse. **Do not use high pressure washer or a beaded garden hose spray because great amounts of pounding water will activate more efflorescence to the surface.**

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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