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960 HEAVY DUTY CONCRETE CLEANER

1. PRODUCT DATA

Date of Preparation: March 1, 2015

Product Name: 960 Heavy Duty Concrete 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 960 Heavy Duty Concrete Cleaner is formulated for the removal of dirt, rust, retarders, and mud stains from rough finishes, concrete with a heavily textured surface and sandblasted surfaces.

This formulation is ideal for the cleaning and etching of older concrete. It can be safely used on colored concrete. DIEDRICH 960 can also be used to clean exposed aggregate, concrete block, and exposure of aggregate. It can also be used as an economical way to correct slight color and texture irregularities. **Great care must be taken and tests conducted before use on smooth white, gray and colored architectural concrete.**

Limitations: Diedrich 960 is generally not effective in the removal of hydrocarbon atmospheric stains and black soiling usually found on older concrete in urban areas. Use DIEDRICH LIMESTONE CLEANERS 707X and 808X systems on those heavily blackened surfaces. Then follow with DIEDRICH 960.

3. PRECAUTIONS

Personnel: All workers must be protected with full body coverage by rubber or polyethylene suits, boots, gloves, face shield and protective headgear. Avoid contact with eyes and skin. Use with adequate ventilation. If used in confined area the use of a respirator with the appropriate filter may be required. When product is to be used on an occupied building, close all windows and cover air intakes and exterior airconditioning vents. Also shut down air handling equipment during application and for 30 minutes following.

Interior Use: All metal fixtures should be removed or protected with plastic covers as they may be damaged by chemical fumes.

Adjacent Areas: Protect vegetation, electrical, anodized aluminum, asphalt roofing, cars and other adjacent items with proper precautions, plastic coverings, and by soaking with water. Avoid wind drift as it may injure passersby or damage vehicles.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

4. TEST AREAS

A test patch **MUST** be cleaned prior to full scale cleaning operations. The test patch is necessary to determine compatibility 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.

5. PROCEDURES

Dilutions: As with any acid based material like 960 Heavy Duty Concrete Cleaner, *water used for dilutions should be placed in a rubber or polyethylene container first then slowly add the DIEDRICH 960.* **Metal containers and tools are never to be used because acids and their fumes will have a detrimental effect on metal objects, and may form a highly flammable, explosive and toxic hydrogen gas.**

SUGGESTED DILLUTION RATES

Note: Adjustments of rates of dilution may be necessary as indicated by the test patches.

LIGHT EXPOSED AGGREGATE (general cleaning)

6 parts water to 1 part 960.

HEAVY EXPOSED AGGREGATE (aggregate exposure)

2 parts water to 1 part 960.

FORM FINISHED CONCRETE (smooth & rough texture)

6 to 8 parts water to 1 part 960.

CONCRETE BLOCK (weathering or etching)

2 parts water to 1 part 960.

CONCRETE BLOCK (removal of mortar stain, etc)

6 parts water to 1 part 960

APPLICATION:

Exterior: Test patches must be accomplished prior to full scale cleaning.

1. Pre-wet surface to be cleaned thoroughly with water.
2. Application of properly diluted DIEDRICH 960 can be by either a dense soft masonry brush or low pressure

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(40 to 50 p.s.i.) airless sprayer of a corrosive/acid resistant type such as DIEDRICH ACID EXPRESS PUMP or plastic pump-up sprayers. Apply diluted 960 Heavy Duty Concrete Cleaner freely to ensure complete coverage.

3. Dwell time on the wall surface should be two to three minutes. Do not allow cleaning solution to dry on the surface.
4. Using fresh water thoroughly rinse the surface to remove chemical residue and other loose material and debris. For optimum results, application of rinse water should be with pressure washer equipment fitted with a fan type tip providing at least 400 p.s.i. at 3 to 5 gallons per minute of water is recommended.

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

Interior: Follow all test and preparation procedures applicable to exterior work, ie., test patches, pre-wetting, protective coverings.

Interior cleaning projects should be completed before finished flooring, trim work, any type of metal fixtures or any other non-masonry materials are put in place. If said materials are already installed, take all necessary precautions to prevent damage from contact with the solution and it's fumes by covering with polyethylene sheets and supplying ventilation adequate to prevent accumulation of fumes in concentration that could cause damage. Clean using the following procedures for exterior cleaning. In lieu

of rinsing with a hose, or pressured water, a sponge or soft bristle 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 is permitted.
2. Mix a neutralization rinse consisting of 1 gallon fresh water and 2 oz. of household ammonia.
3. Apply liberally to the saturation point; allow a dwell time of approximately 5 minutes.
4. Finally, rinse again with fresh water.

6. COVERAGE

Typically, 1 gallon at full strength will clean approximately 200 sq.ft. of surface. Area coverage can be increased with dilution.

7. AVAILABILITY

Diedrich products are available through a network of over 1400 distributors and 2100 contractors located throughout the United States, Canada, Mexico and Europe.

ENVIRONMENTAL PROTECTION SYSTEM:
USE DIEDRICH NEUTRA-SOAK "A" FOR ACID, WHICH IS
A DRY ABSORBENT COMPOUND FOR SPILLAGE AND
TO DIKE/CONTAIN AND COLLECT WASH-OFF RESIDUE
FOR SAFER DISPOSAL AND TO ADDRESS LOCAL
ENVIRONMENTAL REQUIREMENTS.

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

DIEDRICH TECHNOLOGIES, INC., warrants that the product will conform to the description and specifications set forth on the product label and will be free from defects in material and workmanship. The exclusive remedy of the Buyer in the event that the product does not so conform shall be the replacement of the product. This warranty is expressly made in lieu of any and all other warranties expressed or implied, including the warranties of merchantability and fitness, and Diedrich Technologies, Inc., shall not be liable for any loss or damage, directly or indirectly, arising from the use of such merchandise or for consequential or incidental damages. While Diedrich Technologies Inc. believes that the data contained herein is accurate and the information is based on test and data believed to be reliable, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Manufacturer shall not be responsible for any contamination, or related testing or removal costs resulting from use of this lead-free product on any material containing lead or other toxic or environmentally hazardous substances. Since the actual use, by others, is beyond our control, no guarantee, expressed or implied is made by Diedrich Technologies Inc., as to the effects of such use, the results to be obtained, or the safety and toxicity of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions or circumstances exist or because of applicable laws or governmental regulations. All claims of any kind against manufacturer arising from or related to this product in any way shall be decided by binding arbitration in accordance with the Construction Industry Arbitration rules of the American Arbitration Association. **Copyright © 2015**

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