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202XX NEW MASONRY DETERGENT EXTRA STRONG CONCENTRATE

1. PRODUCT DATA

Date of Preparation: March 1, 2015

Product Name: 202XX New Masonry Detergent
Extra Strong Concentrate

Producer: Diedrich Technologies, A Hohmann & Barnard
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*This product is manufactured for Commercial/Industrial
use. Not recommended for: Household use.*

2. PRODUCT DESCRIPTION:

Diedrich 202XX New Masonry Detergent Extra Strength is a combination of organic and inorganic acids, wetting agents and inhibitors for use in the final clean up of new masonry. 202XX efficiently cleans off residual mortar, day to day soiling and staining that occurs on job sites. It will work on brick, stone, tile, exposed aggregate and several varieties of new masonry construction not susceptible to metallic staining.

202XX's wetting agent and inhibitors permit it to cling to masonry surfaces for an extended dwell period. This extended dwell time permits a safer low acid concentration to be used in comparison to the customary harsh muriatic acid washes. This results in equal if not better cleaning while exposing the masonry to less actual acid.

202XX quickly loosens mortar residue and when removed with high or low pressure water virtually all residue will be washed away with little or no agitation. When used as directed, 202XX Masonry Detergent will not cause acid burns or streaks.

3. LIMITATIONS

Diedrich 202XX is not recommended for use where manganese or metal fillers have been added to brick and tile. Extra care should be taken when used on glazed substrates and colored mortar (see Diedrich 202V Vana-Stop). Test applications must be accomplished to ensure there are no adverse reactions, such as bleaching and etching.

202XX will not clean pollution and carbon deposits, or smoke and fire residue from masonry and stone surfaces.
See product literature on Diedrich Restoration Cleaners.

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 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.

5. DILUTIONS:

As with any acid based material, water used for dilution should be placed in a rubber or polyethylene container first, then slowly add the Diedrich 202XX. **Metal containers and tools are never to be used as acids and their fumes will have detrimental effects on such containers and could explode.**

The following are suggested dilution rates; adjustments should be made as necessary based on test patch results:

CONCRETE & CLAY BLOCK

1 part 202XX to 4 parts water

HARD BURNED PINK, SALMON & TAN BRICK, EXPOSED AGGREGATE CONCRETE, & STRUCTURAL TILE (UNGLAZED)

1 part 202XX to 6 parts water

RED BRICK

1 part 202XX to 6 – 8 parts water

LIMESTONE, SANDSTONE, OHIO BLUESTONE & OTHER POROUS STONES

1 part 202XX to 8 parts water*

***Note:** If metallic stains/discolorations are evident or appear, use 202V Vana-stop.

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6. METALLIC STAINS/DISCOLORATIONS

Many of today's new colored brick can contain metallic oxides which cause green and brown stains as they move to the brick face. If incorrect dilution of 202XX are used on these walls, metallic staining may occur.

Use 202V Vana-Stop if metallic staining is present prior to or during testing. It is imperative that all directions in this spec sheet and product label are adhered to.

7. PREPARATORY WORK

When product is to be used on an 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 202XX New Masonry Detergent Extra Strength. Some of these would be doors, windows, light fixtures, hardware etc. If they are already in place, extreme care thorough protective covering and adequate ventilation should be used to prevent damage from contact and fumes.

All sealant and caulking materials must be in place and cured, per manufacturer's specifications, prior to commencement of the cleaning process. Take all necessary precautions and use coverings to prevent 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 drip and/or over-spray as it may injure passerby 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 including 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, which may require a respirator with appropriate filter if in a confined space.

All surfaces are to be thoroughly presoaked with water to prevent absorption of 202XX into the pores of the masonry. It is recommended to place a lawn soaker hose along the

top of the wall to ensure a complete and uniform pre-soaking of the area to be cleaned. A second hose shall be used to provide a flow of water to insure a thorough flushing from the cleaned area of the excess mortar and dirt. If the structure is a multi-story building a lawn soaker hose should be fitted to the face of the scaffold/stage to ensure continuous wetting of the areas below that which are being worked on.

The most effective and satisfactory cleaning and results can be expected if commencement of cleaning occurs within 14 to 28 days of masonry installation. Mortar and grout residue/smears allowed to remain on the surface beyond this time frame will be difficult to clean off and with less than desirable results.

8. APPLICATION

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

1. Pre-soak a large area thoroughly with water.
2. Application of properly diluted 202XX can be with either a dense, soft, masonry brush or low pressure (40-50 psi) airless sprayer of a corrosive/acid resistant type such as DIEDRICH TECHNOLOGIES ACID EXPRESS PUMP. Apply diluted 202XX freely to ensure complete coverage.
3. Dwell time on the wall surface should be about five minutes. **Allowing the cleaner to dry on the surface may result in stains and residue.**
4. To remove heavy buildup of excess dirt or grout, reapply the solution and use a wooden scraper or piece of brick to scrape off excess, using care not to damage the surface of the masonry.

NOTE: Whenever possible try to avoid additional applications as they may appear on the brick. If mortar deposits do not dissolve with the first application, longer dwell time may be required, but not to the point the 202XX dries into surface.

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 water should be with a 25° - 40° fan type tip providing at least 400 psi at 4 to 6 gallons per minute of water is recommended.

NEVER APPLY DIEDRICH 202XX NEW MASONRY 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.

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

Interior Surfaces: Follow all test and preparation procedures applicable to exterior work, ie. test patches, pre-wetting, protective coverings. Interior new masonry construction cleaning projects should be completed before finished flooring, trim work or any type of metal fixtures or any other non-masonry materials 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.**

Clean following procedures for exterior cleaning. In lieu of rinsing with a hose or pressure wash, 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 of fresh water and 2oz. of household ammonia.
3. Apply the neutralizing solution liberally to the saturation point. Allow a dwell time of approximately 5 minutes.
4. Rinse again with fresh water.

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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