



# Specification and Data

## DIEDRICH 202XX NEW MASONRY DETERGENT EXTRA-STRONG CONCENTRATE

1. **PRODUCT NAME:**  
DIEDRICH 202XX NEW MASONRY  
DETERGENT EXTRA-STRONG  
CONCENTRATE\*

2. **MANUFACTURER:**  
Diedrich Technologies, Inc.  
7373 S. 6<sup>th</sup> Street  
Oak Creek, WI 53154  
Phone: (414) 764-0058  
(800) 323-3565  
Fax: (414) 764-6993  
E-mail: [diedtech@execpc.com](mailto:diedtech@execpc.com)  
[www.diedrichtechnologies.com](http://www.diedrichtechnologies.com)

3. **DESCRIPTION AND USE:**  
**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. **Diedrich 202XX New Masonry Detergent Extra Strength** 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.

**Diedrich 202XX New Masonry Detergent Extra Strength'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.

**Diedrich 202XX New Masonry Detergent Extra Strength** 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 New Masonry Detergent** will not cause acid burns or streaks.

**Diedrich 202XX New Masonry Detergent Extra Strength** being a concentrate is a versatile product that can be diluted as job conditions dictate. (Example: 1 gallon of **Diedrich 202XX New Masonry Detergent Extra Strength** can be diluted to make from 5 to as much as 50 gallons).

4. **LIMITATIONS:**  
**Diedrich 202XX New Masonry Detergent Extra Strength** 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**). **Diedrich 202XX New Masonry Detergent Extra Strength** test applications must be accomplished to ensure there are no adverse reactions, such as bleaching and etching.

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

5. **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 like **Diedrich 202XX New Masonry Detergent Extra Strength**, water used for dilution should be placed in a rubber or polyethylene container first, then slowly add the **Diedrich 202XX New Masonry Detergent Extra Strength** Metal containers and tools are never to be used as acids and their fumes will have a detrimental effect on such containers and could explode. The suggested dilution rates based on one part **Diedrich 202XX New Masonry Detergent Extra Strength** to various parts water are as follows. Adjustment of rates of dilution may be necessary as indicated by the test patches.

**Dilute one part Diedrich 202XX New Masonry Detergent Extra Strength with the indicated parts of water:**

**CONCRETE & CLAY BLOCK** - 4 parts water  
**HARD BURNED PINK, SALMON & TAN BRICK** - 6 parts water.

**EXPOSED AGGREGATE CONCRETE** - 6 parts water.

**STRUCTURAL TILE (UNGLAZED)** - 6 parts water

**RED BRICK** - 6 to 8 parts water.

**LIMESTONE, SANDSTONE, OHIO BLUESTONE & other porous stones** - 8 parts water. (Note: If metallic stains/discalorations are evident or appear, use **202V Vana-stop**.)

6. **METALLIC STAINS/DISCOLORATIONS:**  
Many of today's new colored brick may contain metallic oxides, which cause green and brown stains, as they move to the face of bricks. Where substantial quantities exist in brick or these metallic oxides, incorrect dilution of **Diedrich 202XX New Masonry Detergent Extra Strength**, in-part may cause an occurrence of oxide staining. If metallic stains are present prior to testing or appear after, do not use **Diedrich 202XX New Masonry Detergent Extra Strength**, rather use **202V Vana-Stop**. It is imperative that all directions in this spec sheet and product label be adhered to.

7. **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 the **202XX**. Some of these would be doors, windows, light fixtures, hardware etc. If they are already in place, extreme care and 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. Employ all necessary precautions and covering 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 watersoaking. Avoid drift and/or overspray 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. All surfaces are to be thoroughly presoaked with water to prevent absorption of the **202XX** or 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 a continuous wetting of the areas below that which is 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 by 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 mortar or grout, reapply the **202XX** 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.

**NOTE:** Whenever possible try to avoid additional applications as they may cause a white scum detergent film to 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 the 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 rinse water should be with a pressure washer fitted 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 THEN 50 PSI. EXCESSIVE PRESSURE WILL CAUSE THE CHEMICAL TO BE DRIVEN DEEPLY INTO THE SUBSTRATE. 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.

**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, any type of metal fixtures or any other non-masonry 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.

Clean following procedures for exterior cleaning. 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 is permitted.
2. A neutralization rinse consisting of 1 gallon of fresh water and 2 oz. of household ammonia.
3. Apply the neutralizing solution liberally to the saturation point. Allow a dwell time of approximately 5 minutes.
4. A final rinse, again with fresh water.

**9. WARRANTY:**

**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 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 materials containing lead or 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 © 2006

**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.**

**10. AVAILABILITY:**

Available through a network of 2000 distributors and over 2100 experienced contractors located throughout the United States, Canada, Mexico, South America, and Europe.

**11. MAINTENANCE:**

Surfaces cleaned by Diedrich products require no maintenance. For safety and to avoid contamination of the product chemical containers should be tightly sealed while in storage.

**12. TECHNICAL SERVICES:**

Architects and building owners may request local distributor and contractor names at any time. For emergencies, personal assistance, technical information, distributors or fast ordering, toll free 1-800-323- 3565 - TECHNICAL SERVICE - HOME OFFICE.

**The use of photographs does not constitute endorsement of our products.**

Refer to Brick Institute, *Brick Quarterly*, Article May 99. "NEW MASONRY CLEANING" by James Diedrich and Larry Kotke.