



SPECIFICATIONS AND DATA

DIEDRICH 606 MULTI-LAYER PAINT REMOVER DIEDRICH 606X EXTRA THICK MULTI-LAYER PAINT REMOVER

1. PRODUCT NAME:

Diedrich 606 Multi-Layer Paint Remover
Diedrich 606X Extra Thick Multi-Layer Paint Remover

2. MANUFACTURER:

Diedrich Technologies, Inc.
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3. PRODUCT DESCRIPTION:

Diedrich 606/606X Paint Removers are thixotropic alkaline compounds blended with special wetting agents and surfactants designed to remove oil base, latex, and lead based paints from exterior surfaces under normal conditions. Whitewash, limewash, cement-based paints, aggregate sand masonry waterproofing paints, blood and milk paints are difficult and may not be affected by the 606/606X. A TEST SAMPLE IS A MUST. 606/606X can be used to remove paint from brick, stone, concrete, block, metal and wood surfaces, followed by the appropriate Diedrich Neutralizer. 606 can also be used for graffiti removal from brick, stone, block and concrete surfaces. 606/606X may also remove "vine stains" from masonry where vines and foliage had been allowed to grow.

Diedrich 606/606X offer a sensible alternative to damaging sandblasting with these advantages:

- RETAINS the original outer masonry "skin" for natural waterproofing and color appearance.
- KEEPS mortar joints intact and structurally sound, thus avoiding costly and unnecessary tuckpointing.
- PRESERVES delicate architectural carvings and delicate moldings.
- WATERSOLUBLE AND BIODEGRADABLE formulas create no ecological problems of sand nuisance and dust pollution.
- DOES NOT contain waxes or heavy metals.

LIMITATIONS:

Product performance is reduced by cold weather. For optimum results air and surface temperatures should be a minimum of 50°F during application. Not for use on wood furniture or finished wood surfaces.

4. TECHNICAL DATA:

Physical form: 606 - thick viscous solution (brown color)
606X - **EXTRA THICK** viscous solution (tan)

Specific Gravity: 606 - 1.33
606X - 1.25
pH: 14.0>

Coverage: Varies according to the number of layers and the type of paint. Generally one gallon will cover approximately 50-100 sq. ft.

Solubility: completely soluble in water.

Flash Point: Non-flammable

Shelf life/stability: indefinite/product freezes below 32°F

Use as directed to aid in meeting OSHA, EPA, and DNR requirements. (contains no phenols, methylene chloride, benzenes, phosphates, creosols or formates.) READ MATERIAL SAFETY DATA SHEETS BEFORE USING.

ENVIRONMENTAL PROTECTION SYSTEM:

USE DIEDRICH NEUTRA-SOAK "C" (FOR CAUSTICS), 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.

5. APPLICATION:

Safety precautions/Personnel: All workers must wear protective clothing for complete body coverage: Use long-sleeved rubber or PVC suits, (shoulder length) rubber gloves, safety glasses, face shields and protective headgear. Avoid contact with eyes and skin.

Safety Precautions/Adjacent Area: Employ all necessary precautions and coverings to prevent unnecessary damage to the building being restored

as well as surrounding buildings. Protect vegetation, electrical, anodized aluminum, asphalt roofing, cars, sidewalks, non-masonry surfaces and miscellaneous adjacent items with proper precautions coverings, and by soaking down with water. Paint removal and masonry cleaning should be completed before replacement of windows. Protect all window glass, metal, and painted surfaces from exposure during stripping process using polyethylene or other proven protective material. NOTE: 606/606X will not attack glass, it is the 101/101G masonry cleaners that follow the strippers, on masonry, that can etch glass and anodized aluminum surfaces. Pedestrian and auto traffic should be protected and/or diverted. Avoid drift as it may injure passersby or damage vehicles.

Preparatory Work:

Paint chips from various elevations should be examined to ascertain the number of layers present. If there are 10 layers or less 606 may be used with good results, but if the buildup is 10 to 20 layers the heavier 606X EXTRA THICK (which is meant to be spray applied,) formula is suggested. (Additional applications may be required on heavy accumulations.) TEST PATCHES MUST BE CONDUCTED ON EACH ELEVATION to check the action and timing of the remover, and to determine if additional applications will be required. While we recommend 606 for up to 10 layers of paint and 606X up to 20, that is not to say it will remove all the paint in one application. Simply put, because of factors beyond our control, the product may take all paint off one project, but require two or more applications on the next. Probable reasons for the difference could be types of paints involved, thickness of individual layers, different types of coatings on different elevations, amount of remover applied, the applicators, or low temperature weather conditions.

Procedure:

MASONRY, STONE, CONCRETE, METAL: Apply 606/606X with a synthetic fiber brush or roller, and for best results, a stainless steel corrosion-resistant airless sprayer fitted with viton, teflon or other caustic resistant seals and hoses (set at lowest possible setting to reduce/prevent atomization of the



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MASONRY
Cleaning Materials

stripper), liberally and uniformly. Apply full strength and let stand as long as necessary to soften whatever number of coats may be on the surface. The time may range from 1-24 hours with approximately 1 hour allowed for each layer of paint (Example: dissolve time for 4 coats of paint - allow 4 hours dwell time or overnight.) If 606/606X begins to dry out during dwell time, mist with water to reactivate. Where there are many coats of paint, additional applications of 606/606X may be necessary. **IF APPLICATION IS TOO THIN OR UNEVEN, OR REMOVAL ATTEMPT IS TOO RUSHED, ADDITIONAL APPLICATIONS MAY BE NECESSARY.** To rinse, fog lightly with a water mist, wait 10 minutes, then rinse with as much concentrated water pressure as possible. For best results a pressure of 500 PSI is recommended. It is not necessary to let the surface dry out completely before reapplication. 606/606X may cause a chalk film on masonry. To remove, apply 101 Masonry Restorer 5 to 1 according to directions. Failure to neutralize may interfere with performance of clear sealers or future paint coatings.

WOOD SURFACES:

606/606X are effective removers of paint from wood surfaces, but they must be removed as soon as it has been determined that the old paint has been loosened. (Follow the same application directions as for masonry, stone, concrete and metal.) **DO NOT LET THE STRIPPER PENETRATE THE WOOD.** Failure to do so will cause a darkening coloration of the wood or raised grain effect. Open grained redwood, cedar and cypress must be flushed with great quantities of water and then neutralized with Diedrich 101WN (for exterior wood) or 707N (for interior wood). 101WN and 707N will not etch glass. Because the tannic acid in these woods tends to bleed, the surface must be washed thoroughly before painting. Clear or tinted penetrating stains are recommended.

NOTICE: Three neutralizer applications are recommended: This triple application must be followed as an integral part to the complete Diedrich Restoration System. **FIRST APPLICATION:** Before scraping or pressure wash-off, spray or mist full strength neutralizer over the paint remover. This step helps neutralize the paint stripper and prevents inward migration of the stripper during the pounding wash, and for environmental purposes will lower the pH level of the washed off material. After 1 hour dwell time, pressure wash or scrape paint remover down to the base wood. **SECOND APPLICATION:** Apply 101WN full strength immediately after the removal of the paint and paint stripper. Let stand 1 hour, pressure wash off. When removing wet or dry residue from intricate areas, use a BRISTLE brush to get into crevices, grooves, cracks, etc., then follow with neutralization applications. **THIRD APPLICATION:** After a minimum of 24 hours apply another coat of neutralizer and follow with a final rinse, with the recommended 50 PSI, fan tip. (The neutralizer should be diluted 3 parts water to 1 part 101WN Wood Neutralizer.) Extremely high pressure washers pound moisture deep

into wood pores thus extending dry time allotment. (Garden hose washing is acceptable alternative. Use Diedrich Neutra-Soak "C" at areas of run-off to neutralize and absorb caustic residue.) **DRY TIME:** The surface should be allowed to dry for a minimum of 30 days in warm and dry conditions to a suggested 45 days for maximum safety. 7 days into the dry time take a PH reading. A neutral reading of 7 on most woods and 5 on cedar, redwood and cypress are acceptable levels and must be achieved and recorded. Also before painting, monitor wood with a moisture meter for proper level, not to exceed 12% moisture content. **BARRIER COATING:** A stain inhibitive bleed barrier coating (with an alkali inhibitor) must be used to counteract the bleeding of cedar, pine, fir, etc. (Many types of wood contain water soluble materials which tend to migrate, during high moisture periods, to the surface and cause discoloration. These wood resins oils are not harmful). 1 coat is usually sufficient, but 2 may be required if conditions are severe and warranted. Past experience shows Cabots 8011 or 3 pound shellac as a substitute, render best results.

LIMITATIONS:

- a. Do not over-strip, caustic strippers should be removed as soon as possible before they penetrate the wood. Touch-up with Diedrich 505 fast acting solvent stripper. Do not expect the chemical to remove 100% The final finishing can be done with a power sander.
- b. Do not strip eaves and porch overhangs because they do not receive enough sun to dry out thoroughly. Their proximity to downspouts, gutters, roof drainage leaking may inhibit wood from drying properly.
- c. Because old galvanized nails scratch and show wear, water and chemical cleaning may tend to rust and bleed through finish coat. To prevent - prime nailheads with a rust inhibitor (aluminum/zinc oxide primer) paying special attention to cover total nailhead. After priming, fill nailheads with an appropriate sandable filler (wood putty).

6. AVAILABILITY AND COST:

Diedrich products are available through a network of 1400 distributors and over 2100 contractors located throughout the United States, Canada, Mexico and Europe. Cost will fluctuate according to the amount of paint to be removed, the type of surface, freight and labor costs and other variables.

7. 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 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 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

8. MAINTENANCE:

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

9. TECHNICAL SERVICE:

Diedrich Technologies Inc., keeps an updated referral list of qualified contractors nationwide. Architects and building owners may request local names at any time. For emergencies, personal assistance, technical information or fast ordering, Toll free 1-800-323-3565 - Technical service - Home Office.

10. FILING SYSTEM:

Color Brochures - Division 4 Masonry Restoration and Cleaning, technical specifications and architectural vinyl catalog and a demonstration VHS tape are available. Additional product information available upon request.

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