

DIEDRICH 404 RIP-STRIP

- PRODUCT NAME:**
DIEDRICH 404 RIP-STRIP
U.S. Patent No. 4, 900, 354
- MANUFACTURER:**
Diedrich Technologies Inc.
A Division of Sandell Construction Solutions
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- PRODUCT DESCRIPTION:**
Diedrich 404 RIP-STRIP is a specially formulated film forming paint remover that causes an attachment and suspension for pull-off / scrape-off removal, 404 RIP-STRIP contains a special catalyst that creates a heat factor generating greater dissolving action while retarding premature dry-out and evaporation. This patented formula reduces sagging and run-down, conforms to irregular contours and surfaces, and is important for easy lead-paint collection and disposal. 404 RIP-STRIP laboratory test results certify its low leaching rate by reducing the mobility of lead. The product creates a matrix which inhibits the amount of soluble lead that can be dissolved out in a landfill. In many cases 404 RIP-STRIP may stabilize the lead in the paint being removed to under 5 PTM and the material will be non-hazardous for disposal purposes. This must be determined with a TCLP Test (toxicity characteristics leaching procedure). Lead based paint removal using 404 RIP-STRIP will not generate airborne lead or increase existing levels because of its stays-wet-property. 404 RIP-STRIP is package in 5 and 2 gallon plastic pails.

Limitations: Not suitable on epoxy or cement based paints. Do not use on compose, veneer or plywood surfaces, cabinets, etc. May darken wood or raise grain slightly. Cold temperatures will reduce the effectiveness of the 404 RIP-STRIP. For optimum results surface and air temperature should be 45°F, at a minimum, at application and during dwell time.
- TECHNICAL DATA:**
Physical Form: thick viscous, cream color solution no toxic fumes unless spray atomized and no carcinogens.

Specific Gravity: 1.35
Solubility: in water-complete
Flashpoint: non-flammable

ENVIRONMENTAL PROTECTION SYSTEM:

Use Diedrich Neutra-Soak "C" (for caustics), which is a dry absorbent compound, for spillage and to dike/contain for safer disposal and to address local environmental requirements.

Use as directed for safety and to aid in meeting OSHA, EFA and DNR requirements, VOC compliant. (Contains no phenols, methylene chloride, benzenes, phosphates, creosols or formates.)

5. APPLICATION

Personnel: All personnel must be protected by rubber or polyethylene complete body coverage suits, boots, gloves, face shields and protective head gear. Avoid contact with eyes and skin.

Adjacent Areas: 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. Pedestrian and auto traffic should be protected and/or diverted, avoid drift as it may injure passerby or damage vehicles.

Test Area:
Because of varieties of paint applications, a test area MUST always be stripped before overall stripping operations begin, to determine the effectiveness of the stripper. The test areas chosen MUST be indicative of paint conditions on the entire job and each elevation must be tested.

Coverage:
Coverage is 20-40 sq.ft. per gallon depending on the number of layers of paint to strip.

Procedure:
Apply 404 1/8" to 1/4" thick with a putty scraper, trowel, wide spatula or corrosive resistant airless sprayer. Allow 24-48 hours dwell time or until all paint is dissolved. To test paint suspension use scraper to start edge for pull-off removal. If application is too thin, or uneven, or removal attempt is too rushed,

additional applications may be necessary. Monitor so as to let harden. Removal while too soft will not render optimum results. Where there are many dissimilar coats of paint, additional applications of 404 or Diedrich 505/606 touchup and rinse may be required to remove a light remaining paint film. **DO NOT LET STRIPPER PENETRATE THE WOOD.** Consult Manufacturer for applicable spray equipment.

Removal:
Scrape and pull-off followed by a pressured water rinse. Interior stripping requires plastic sheets on the floor covered with straw and/or paper to absorb any residue. If lead paint is being stripped removed paint and residue may have to be contained and collected for disposal as hazardous waste. A TCLP Test (Toxicity Characteristics Leaching Procedure) must be conducted to determine if leachable levels of lead are at, or above permissible levels.

Stripped surface must be washed to remove chemical and paint residue. Wash down can be accomplished either with sponges and fresh water, flushing surface with water sprayer from a garden hose or by pressured water wash.

NEUTRALIZATION:
Use Diedrich 101WN for exterior wood and 707N for interior wood, plaster and metal surfaces.

Wood surfaces:
Apply 101WN or 707N full strength immediately after the removal of paint and rinsing. Let stand for 1 hour, pressure wash off, rinse with a garden hose, or rinse with fresh water and sponges or interior surfaces. After a minimum of 24 hours apply another coat of neutralizer diluted 3 parts water to 1 part of 101WN or 1 part water to 1 part 707N and follow with a final rinse as before.

Plaster and metal:
Apply 707N diluted 3 parts water to 1 part 707N to the surface. Allow 15 minute dwell time then rinse with fresh water applied with either a pressure washer, garden hose or sponges.

Masonry:
If masonry is to be cleaned after paint removal, refer to 101 Masonry Restorer or 101G Granite Cleaner Specification for proper procedures.

Dry Time:
Allow 20 days for interior wood where no pressured water was used. For exterior wood allow 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. Those resin oils are not harmful). One coat is usually sufficient, but two may be required if conditions are severe and warranted. Past experience shows Cabot's 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 / 505X 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. Old galvanized nails scratch and show wear because of this water and chemical cleaning may tend to rust and bleed through finished 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 distributors and contractors 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.

9. 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 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.

TECHNICAL SERVICES:

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