

# Heavy Duty Paint Remover (Industrial & Architectural Paint Stripper)

This water based paint remover is biodegradable, non-toxic, user friendly and environmentally safe. It is extremely effective in removing the toughest industrial coatings like epoxies and urethanes from metal and concrete. This remover will effectively lift urethanes, latex, alkyd paints, lead based paints and varnish as well as most two-component epoxy coatings and fusion bonded epoxies from all types of substrates, including steel, aluminum, metal alloys, concrete, and masonry.

## Features and Benefits

- Water Based and Fully Biodegradable
- Non Flammable
- Contains no TAPs or HAPs (Toxic/Hazardous Air Pollutants)
- Non-carcinogenic, non-toxic
- Will not burn skin
- Easy clean up with running water
- Low VOCs
- Non-ozone-depleting
- Not regulated by authorities for transportation / storage
- Not regulated by authorities for worker health and safety
- Low and inoffensive odor
- Removes Graffiti

## Cost Effective:

- Requires much less chemical to achieve desired results
- Reduces man-hours
- Reduces cost of waste disposal
- Reduces down time since other work at site can continue while stripper does its job
- Lowers insurance costs for worker safety and storage hazards

## Application Procedures

### Test Area

Always prepare a test area prior to full application. This will indicate the time required for project completion and suitability of product for the paint and the substrate.

### Equipment and Tools

This product is engineered for airless spray application. Use only airless equipment with chemical resistant packing. Equip the sprayer with a tip size of 0.019 inches or larger. (Example: a 519 or 425 tip). Other equipment: brushes, rollers, scraper, masking tape, plastic (polyethylene) sheet, pressure washer, electric drill with mixer, empty pails for clean-up, water. Roller application should be used ONLY for horizontal surfaces.

### Preparation

#### Masking

Cover/protect areas with poly sheeting where stripping is not desired, including adjoining surfaces where over spray may travel. If using masking tape, apply two layers of tape and remove the top layer immediately after application as the remover may soak through the tape, damaging paint under it. Plants should be covered or washed thoroughly before and during application.

#### Mixing

Thoroughly mix with a drill. DO NOT SHAKE. DO NOT DILUTE.

During use, if water appears to have separated out of the product, thoroughly mix again with a drill until it becomes homogeneous.

## Equipment

Ensure application equipment is free of any previously applied products or chemicals or solvents (especially mineral spirits).

## Application

Apply a thick, even layer of stripper onto the coating being removed. An airless sprayer is the most effective means of application. Always start the sprayer pump at the lowest pressure setting and slowly build up the pressure until an adequate fan pattern has been generated. The minimum wet film thickness should be 1/64 inch. The stripper must be applied 30%-50% thicker than the coating to be removed effectively. High pressure is neither required nor desired. High pressure and narrow tip sizes will break the stripper's emulsion and will reduce its effectiveness. When trying to build up films thicker than 1/32 inch, it is advisable to build the stripper film in two separate applications. First apply a light coat of approximately 1/64 inch and allow it to dwell for about 30 minutes and then build the rest of the stripper film thickness in the second application. Once applied, leave the stripper alone, as agitation slows down penetration. Brushing and rolling should be avoided because these methods produce a lower film build and inconsistent thickness of stripper.

## Dwell Time

The time required to penetrate and lift paint varies according to the type of paint, the temperature, and humidity. Monitor dwell time and how the product is working on the specific paint(s). Dwell time may be as short as 1-2 hours, but do not exceed 18 hours.

## Re-Application

When there are multiple layers of paint, it is quite likely that there is poor inter coat adhesion between some layers. Premature lifting may occur at this interface. If this happens, remove the lifted layers and reapply the stripper. Do not allow the stripper to dry out.

The stripper is designed to remain wet and effective over extended periods of time (up to 48 hours), but excessive sunshine, windy conditions or insufficient stripper thickness can cause early drying. If the stripper starts to dry, reapply a light coating and allow extra time for completion.

## Removal and Cleanup

Removal of lifted paint can be completed by scraper, squeegee, wet/dry vacuum suction system or by pressure wash. The stripped surface must be rinsed with water or denatured alcohol to remove all chemical residues before repainting. When rinsing, always work from the bottom to the top. Any water that runs down the substrate will deactivate the stripper and allow the paint to re-adhere, therefore never work from the top to the bottom. Collect lifted paint and dispose of in accordance with local government regulations. Do not collect and/or store removed paint and stripper waste residue in metal containers. Clean up spray equipment by running water or denatured alcohol through the equipment soon after the spraying has been completed.

## Safety Requirements

Proper safety procedures should be followed at all times while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use.

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## Limitations

Surface temperatures should be 65° to 95°F (20° to 32°C). The product performs effectively at lower temperatures (even at 32°F, 0°C), but the dwell time increases.

## Packaging and Coverage

Packaging: 5-gallon pails.

The product is designed for thick film build up on vertical and overhead surfaces. The desirable wet film thickness of stripper is approximately one and a half times the dry film thickness of the paint. Minimum wet film thickness should be 1/64 inch. The stripper must be applied 30%-50% thicker than the coating to be removed effectively. Typically, coverage is approximately 40 to 90 sq. ft./US gallon (1 to 2.2 sq. m/L)

## Storage And Shelf Life

This product must be stored at temperatures above freezing and below 78°F -- and at low humidity. DO NOT ALLOW PRODUCT TO FREEZE. Do not store in direct sunlight. The shelf life of an unopened container is 1 year.

After use, fully seal any unused portion in its original container prior to storage. If the product was previously opened or was stored longer than a year, test in an inconspicuous location for effectiveness.

## Technical Data

Appearance	White foam emulsion
Specific Gravity	1
Boiling Point	99.3°C
Freezing Point	N/A
pH (direct reading)	2.6

**DO NOT ALLOW PRODUCT TO FREEZE!**

## Warning

Not for internal consumption. Keep out of reach of children and animals. Consult Material Safety Data Sheet (MSDS) for specific information.

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