

## Heavy Industrial Paint Stripper



RemovALL™ 510 & 520 are water-based paint strippers that are biodegradable, user-friendly and environmentally safe. They are extremely effective in removing 2-component high performance coatings used in automobile and heavy industrial applications.

### FEATURES

- Water-based
- Fully biodegradable
- Non-flammable
- Contains no TAPs or HAPs (Toxic / Hazardous Air Pollutants)
- Non-carcinogenic
- Easy clean-up with running water
- Low VOCs
- Non-ozone-depleting
- Not regulated by authorities for transportation / storage

Cost effective because:

- Requires much less chemical to achieve desired results
- Reduces man-hours and effort required to complete a project
- 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

### TYPICAL USES

RemovALL™ 510 and 520 have proven they effectively lift highly cross-linked urethane and epoxy top coats and primers, alkyds, non-skid coatings (100% solid content) and the toughest of industrial coatings and linings from metallic and plastic substrates. They are also capable of lifting fuel resistant primers, and coal tar epoxies.

Typical projects include:

- Petrochemical plants
- Chemical tank farms
- Nuclear plants
- Bridges
- Shipyards and docks
- Ballast tanks of ships
- Pulp and paper mills
- Automobiles and engine parts
- Railway cars and engines
- Wrought iron / cast iron work
- Any area where abrasive blasting is not an option for environmental, or economic reasons
- Any area where worker safety may be a concern.

### PROPERTIES

Appearance: Blue foamed emulsion  
 Specific Gravity: 1.06  
 Boiling Point: 100°C • 212°F  
 Freezing Point: 0°C • 32°F  
 pH (direct reading): 3.5 - 4.5  
 VOC content: 70 g/L • 0.58 Lbs./Gal.  
 Flash point: >100°C • 212°F  
 Viscosity (cPs):  
 RemovALL™ 510 40,000 - 80,000  
 RemovALL™ 520 30,000 - 70,000  
 Shelf Life: 24 months  
 Coverage: 40 to 90 sq.ft/US Gal. (theoretical) 1 to 2.2 sq.m/L  
 Typical useful life:

Worker Health and Safety:  
See MSDS

### PACKAGING

VOLUME:	WEIGHT:
1 US Gal. (4/case)	39 Lbs.
3.8 L (4/case)	17.7 Kg
	17" x 17" x 8.5"
5 US Gal. pail	47 Lbs.
18.9 L pail	21.3 Kg
	12" x 12" x 15"
55 US Gal. drum	508 Lbs.
205 L drum	230.4 Kg
	24" x 24" x 36"

One Pallet takes 36 pails or 30 cases.

Not regulated by transport authorities.



## Directions for Use

**EQUIPMENT AND TOOLS:** This product is engineered for spray application. Airless sprayers are recommended. Use only airless equipment with chemical resistant packing, such as a Hero 85 SEL or larger pump. A typical medium size airless sprayer is capable of spraying this product. 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 (polyethene) sheet, pressure washer, electric drill with mixer, empty pails for clean-up, running water, rags. Roller application should be used only for horizontal surfaces.

### PREPARATION:

**(a) MASKING:** Cover / protect areas where stripping is not desired, including adjoining surfaces where over spray may travel. Polyethene sheets make a very effective barrier. 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 with water before and during application.

**(b) MIXING: Never shake RemovALL™ 510 or 520!** Shaking will cause product to separate. Using a drill mixer, mix product until it is uniform in color and creamy consistency. (About 1 minute per gallon).

**(c) EQUIPMENT:** Remove all filters from the pump, sprayer and gun. Prime the pump and run stripper through the hose and gun until all previous water / solvent / paint residue has been cleaned out.

**TEST PATCH:** Conduct a small test patch in an inconspicuous area to ensure product performance. This will indicate the time required for project completion, suitability of product for paint and substrate, and most effective removal method.

**APPLICATION PROCEDURE:** Apply a thick, even layer of stripper onto the coating being removed. An airless sprayer is the most effective means for 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. High pressure and narrow tip sizes will break the stripper's emulsion and will destroy its effectiveness.

The stripper must be applied 1.5 to 2 times the thickness of the coating being removed, i.e 20 mills of coating requires 30-40 mills of stripper to be removed effectively. When trying to build up films thicker than 30 mills (600 microns), or when trying to apply the stripper on a glossy or greasy vertical surface, it is advisable to build the stripper

film in two separate applications. First apply a light coat of approximately 15 mills (300 microns), thick enough to hide the surface color of coating and allow it to dwell for 5 to 30 minutes and then build the rest of the stripper film thickness in a second application. Once applied, leave the stripper alone, as agitation slows down penetration.

**RE-APPLICATION:** When there are multiple layers of paint, it is possible that there is poor intercoat adhesion between some layers. Premature lifting may occur at this interface. If this happens, remove the lifted layers and re-apply the stripper. Do not rinse with water between applications. 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, re-apply a light coating and allow extra time for completion.

**DWELL TIME:** The time required for penetration varies according to the type of paint, the thickness of the paint, and the temperature. Most paint systems require between 2 to 36 hours. RemovALL™ 510 and 520 can be left overnight, but do not allow product to dry out.

**COVERAGE:** Coverage is approximately 40 to 90 sq.ft./US Gal. (1 to 2.2 sq.m./L) depending on substrate and coating to be removed.

**OPTIMUM TEMPERATURE:** 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.

**REMOVAL AND CLEANUP:** Removal of lifted paint can be completed by scraper, squeegee, wet/dry vacuum suction system or by high pressure (2,500 - 3,500 psi) water wash. Be careful if using a high pressure washer on porous surfaces as it can hurt the surface. Pressure wash from the bottom up on vertical surfaces to prevent rinse water from deactivating stripper in sections below. The stripped surface must be rinsed with water to remove all chemical residue before repainting. 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 through the equipment soon after the spraying has been completed.

**SAFETY PRECAUTIONS:** Proper safety procedures should be followed at all times while handling the product. Use rubber gloves & eye protection. Harmful by inhalation and if swallowed. Irritating to eyes & skin. **Skin contact:** Wash immediately with plenty of soap and water. **Eye contact:** Bathe the eye with running water for 15 minutes. **Ingestion:** Wash out mouth with water. Do not induce vomiting. Give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure. Consult a doctor.