

# RemovALL™ 220

## Industrial Paint Stripper

# RemovALL™

RemovALL™ 220 is a brushable water-based paint remover that 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, concrete, wood, masonry and brick.

### FEATURES

- Water-based
- Fully biodegradable
- Non-flammable
- Contains no TAPs or HAPs (Toxic / Hazardous Air Pollutants)
- Non-carcinogenic, non-toxic
- Easy clean-up with running water
- Low VOCs
- Non-ozone-depleting
- Not regulated by authorities for transportation / storage
- Low and inoffensive odour
- Will not burn skin

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 storage hazards

### TYPICAL USES

RemovALL™ 220 has proven it 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, aluminium, metal alloys, concrete, and masonry.

- Exteriors and interiors of buildings
- Painted concrete floors
- Water storage tanks
- Bridges
- Above the water line on ships
- Food processing plants
- Pulp and paper mills
- Petrochemical facilities
- Water treatment facilities
- Any area where abrasive blasting is not an option for environmental, or economic reasons
- Any area where worker safety or damage to delicate equipment may be a concern.

### PROPERTIES

Appearance:	Pale orange
Specific Gravity:	1.02
Boiling Point:	N/A
Freezing Point:	N/A
pH (direct reading):	3.5 - 4.5
VOC content:	67 g /L • 0.56 lbs. /gal
Flash point:	>95 °C • 203 °F
Viscosity (cPs):	5,000 - 13,000
Shelf Life:	24 months
Coverage:	40 to 90 sq.ft/US G • 1 to 2.2 sq.m/L (theoretical)

Worker Health and Safety:  
See MSDS

### PACKAGING

VOLUME:	WEIGHT:
1 USGal/3.8L x4/case	40lbs-18Kg 16.5x16.5x8.5in
5 USGal/18.9L pail	46lbs-20.7Kg 12x12x15in
55 USGal/205L drum	500lbs-225Kg 24x24x35in

One Pallet takes 36 pails or 30 cases. Not regulated by transport authorities.

### THE TECHNOLOGY



RemovALL™ products are powered by patented SARA Technology. This technology utilizes the physical forces released by chemical reactions to break the bond between the paint and the substrate. Coatings lift off cleanly and can be easily removed.

### TEST AREA:

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

### EQUIPMENT AND TOOLS:

This product is engineered for spray or brush application. Airless sprayers are recommended. Use only airless equipment with chemical resistant packing, such as a Titan 440i 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 (polyethylene) 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. Polyethylene 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!** Using a Drill Mixer mix RemovALL until all product 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.

### 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. If using a brush, make sure the underlying surface is completely covered with RemovALL 220.

### 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 reapply 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, reapply a light coating and allow extra time for completion.

### 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.

### 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 can be left overnight, but do not allow it to dry out.

### 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.

### 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.

### 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 and skin. **Skin contact:** Wash with soap & 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 from exposure & consult a doctor.