

RemovAll 610

Anti-fouling & Fibreglass Paint Stripper



RemovAll 610 is a water-based paint stripper designed specifically to remove anti-fouling and other paints from fibreglass surfaces. This makes it the perfect choice for pleasure boats. It is biodegradable, non-toxic, user friendly and environmentally safe.

FEATURES

- * Water based
- * Fully biodegradable
- * Non flammable
- * Contains no TAP's or HAP's (toxic/hazardous air pollutants)
- * Non carcinogenic, non toxic
- * Easy cleanup with running water
- * Low VOC's
- * Non ozone depleting
- * Not regulated for transportation / storage
- * Will not burn skin
- * Low and inoffensive odour
- * 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
 - Reduced down time since other work at site can continue while stripper does its job
 - Lowers insurance costs for worker safety, & storage hazards

TYPICAL USES

RemovAll 610 has proven it will effectively lift all kinds of anti-fouling paint including modified epoxies, co-polymers, resins and vinyl. It also works effectively on other paint systems like urethanes, latex, varnish, lacquer and marine enamels.

Specifically engineered for fibreglass surfaces, RemovAll 610 has become the product of choice for stripping anti-fouling paint from boats.

Special benefits include:

- * Multiple coats of anti-fouling removed with only one application
- * Safe on most gelcoat on fibreglass
- * Will not damage epoxy coated cold moulded hulls
- * Harmless for boatyard's water catchment system
- * Reduces labour time compared to sanding or grinding
- * Works without supervision so workforce can do other revenue producing jobs while paint is being stripped.

PROPERTIES

Appearance:	white foamed emulsion
Specific gravity:	1.05
Boiling point:	100°C
Freezing point:	0°C
pH (direct reading):	3.0 - 4.0
VOC content:	235g/L
Flash point:	>90°C
Viscosity (cPs)	5,000 – 12,000

PACKAGING

<u>VOLUME</u>	<u>WEIGHT</u>
4 litres x 4/case	16kg / case
20 litres pail	20kg / pail
205 litres drum	240kg / drum

One pallet takes 36 pails or 30 cases



THE TECHNOLOGY

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



SELECTIVE ADHESION
RELEASE AGENT

If any of the following conditions exist, your boat may not be suitable for chemical paint removal:

- * Gelcoat that is suffering from advanced osmosis
- * Gelcoat that has a Barcol hardness reading of 30 or less
- * Barrier coatings that have deteriorated or are wearing off
- * Epoxy barrier coatings not applied according to the manufacturer's specifications

Directions:

1. Remove all marine growth (power washer). The antifouling paint should be dry before applying RemovAll 610.

2. Test Patch. Always do several test patches of size 4"x 4" (10 cm x 10 cm) on the port side and on the starboard side. This will tell you the length of time required for total penetration and whether or not the gelcoat or barrier coatings are suitable to have the paints chemically removed.

2. Protect or mask all surfaces that are not to be stripped. Tape up from the water line at least 9" (230 mm).

NB: RemovAll 610 may soak through masking tape and damage the surface you are trying to protect. To remedy this, cover the surface with polythene and tape it normally, then lay a second layer of tape over the first. After applying RemovAll 610, remove the second/top layer of tape, which has the over spray on it.

3. Apply a thick, uniform layer of RemovAll 610 onto the antifouling paint using an airless spray machine [a thick application will be around 30 mils (750 microns) wet film thickness]. The airless sprayer is the most efficient means of applying the necessary thickness required to penetrate multiple layers. The necessary wet film thickness can also be achieved by applying 2 or 3 lighter applications, approximately 10 mils (250 microns) each. Use a brush only if spraying is absolutely not feasible.

Notes:

a) When removing several layers of antifouling paint (1 to 5 layers), a wet film thickness of 30 mil (750 microns) of stripper should be enough to penetrate to the substrate. However, if there are more than 5 layers the first thick application will be absorbed into the paint, so a second application will be required. This second application will be required 2 to 4 hours after the first. Do not remove paint after the first application.

b) For heavy application (over 30 mils / 750 microns) a mist coat should be applied first. After about one hour, a heavier build coat should be applied.

c) Do not apply RemovAll 610 thicker than 50 mils (1270 microns). If you do, the stripper will slide off vertical surfaces.

d) Multiple spray passes should be applied to achieve a thickness of 40-50 mils. Each pass should be 30 minutes apart. Applying too heavily in one pass may result in the sliding down of the stripper.

e) Pump and spray nozzle size:

Capacity, volume @ 2000 psi: 0.45 gpm. Motor: 1/2hp

Tip size: minimum 0.019 (0.5mm)

Recommended tip: 0.021-0.025

If you use a smaller tip or too much pressure, RemovAll 610 will separate into its ingredients. This will show up as clear water droplets on the surface.

f. While adjusting pressure settings on the sprayer start at the lowest pressure setting and slowly build it up until a good spray fan pattern has been achieved. Do not increase the pressure more than that level.

Dwell Times:

1. The time required for even penetration varies according to the types of paint, number of layers and ambient temperature. RemovAll 610 needs approximately twelve hours to penetrate ten layers of antifouling paint with ambient temperatures above 22°C (65° F). Lower temperatures will slow down the process.

2. Once the RemovAll 610 has uniformly softened the paint down to the substrate, scrape off the softened paint using a plastic or metal scraper. Contain the paint for disposal. Once the bulk of the paint has been removed, re-apply another, thinner layer of stripper 5 to 10 mils (125 to 250 microns) over the hull. Allow adequate time for the remover to work. Then, using a long handled semi-stiff brush, thoroughly scrub the entire hull. This will mix the remaining paint residue with the remover, making it easy to scrape/wipe or wash off.

3. When all of the paint is removed, power wash the hull until all the foam and slipperiness is gone, wait 15 or 20 minutes and wash the hull again. When washing, start at the bottom (keel), wash up and back so the-water is always running over an already cleaned surface.

Coverage:

The amount of product required will depend on the area to be stripped, types of paints and the number of layers. A 30 ft (9-meter) sail boat carrying 10 layers of antifouling paint will require approximately 20 litres of product.

Tools:

Scrapers, brush, long-handled scrub brush, tape & masking material, airless paint sprayer (minimum pump ratio 2 to 1, spray tip 0.021" - 0.030"), power washer - recommended 1500 psi minimum with a regular fan tip. Using high pressure rotating nozzles can damage freshly stripped gelcoat.

Protective clothing:

Wear safety glasses & gloves as antifouling paints are hazardous.

Disposal:

RemovAll 610 is fully biodegradable. However, the paints being removed are hazardous and must be disposed of according to local regulations.

Other tips and precautions: 1. Some fillers etc. will soften and require minor repair (all fillers return to their original hardness). 2. Do not allow the surface to dry. If drying starts, re-apply RemovAll 610. 3. Slight softening of the gelcoat may occur on some hulls. After thoroughly washing, the gelcoat will return to its original hardness, usually within 12 hours. Never leave a remover on a substrate longer than necessary and rinse well before repainting. 4. If the antifouling paint was applied onto poorly cured epoxy, RemovAll 610 will remove the epoxy as well.

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