



## Nu-EcoSafe-Strip

### Anti-Fouling / Fiberglass Paint Stripper

Nu-EcoSafe-Strip Paintable and Spray grade are water-based paint strippers designed specifically to remove anti-fouling and other paints from fiberglass surfaces. This makes them the perfect choice for pleasure boats. They are biodegradable, safer than conventional strippers, user-friendly and environmentally safe.

### FEATURES

- Water-based
- Fully biodegradable
- Non-flammable
- Contains no TAPs or HAPs (Toxic / Hazardous Air Pollutants)
- Non-carcinogenic
- Safer to use than conventional strippers
- Easy clean-up with running water
- Low VOCs
- Non-ozone-depleting
- Not regulated by authorities for transportation / storage
- Low odour
- Will not burn skin
- Does not damage the gel coat

#### 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 Properties

Appearance:	White foamed emulsion	VOC content:	0.56 Lbs
Specific Gravity:		Flash point:	100c
Paintable grade	1.01	Viscosity (cPs):	
Spray grade	1.02	Paintable grade	6,000 - 12,000
Boiling Point:	100c	Spray grade	20,000 - 40,000
Freezing Point:	0c	Shelf Life:	24 months
pH (direct reading)		Coverage:	1 to 2 sq.m/L
Paintable grade	2.0 - 3.0	(theoretical)	
Spray grade	3.5 - 4.5	Worker Health and Safety:	See MSDS



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#### TYPICAL USES

Nu-EcoSafe-Strip Paintable and Spray grade have proven they 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 fiberglass surfaces, Nu-EcoSafe-Strip Paintable and Spray grade should become the choice products for stripping anti-fouling paint from boats.

#### Special Benefits include:

- Multiple coats of anti-fouling removed with only one application.
- Safe on most gel-coat 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 the work force can do other revenue producing Job's while paint is being stripped.

#### Application & Features

##### Equipment & Tools:

This product is engineered for spray application. Airless sprayers are recommended. 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: Pole scrub brushes, scraper, masking tape, polyethylene sheets 0.7-1.5 mil, pressure washer, electric drill with mixer, empty pails for clean-up, running water, and rags.

#### Preparation:

##### (a) Masking:

Cover / protect areas where the paint is to be left on. This includes adjoining surfaces where overspray 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 Nu-EcoSafe-Strip Paintable and Spray grades!

Shaking will cause product to separate. Using a drill mixer, mix product until it is uniform in colour and is creamy in consistency. (About 1 minute per gallon). If on visual examination, water appears to have separated out of the product, thoroughly mix the until it becomes homogenous once again.



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#### (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. Apply two test areas in different locations on the hull. Anti-fouling paint is very porous and it absorbs your first application of stripper. Apply a medium layer of stripper and allow to penetrate into coating. Then apply a second heavier layer of stripper and loosely cover of the test area with a polyethylene sheet. Check test areas for progress approximately every 4 hours. If stripper continues to penetrate, apply more stripper. Coating is ready to be removed when it is easily scraped off with a plastic putty knife.

Most coating systems will need an overnight dwell time.

## APPLICATION GUIDELINES

#### Application Procedure:

An airless spray machine 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.

Apply 30 to 40 mils of stripper and allow to penetrate into the coating, which could take between 2 to 6 hours. **Notice** that the sheen of wet stripper will disappear as stripper penetrates. Apply the second application directly over the first after it is absorbed.

**Do not** scrape or introduce water between applications. Your test area has determined needed thickness of second application. Also determined was the advantage of a covering of light gauge polyethylene sheets. Most coating systems of 10 or more layers will require an overnight dwell time. Apply first layer of stripper mid- morning and second layer in the afternoon. Start on the shady side and make your way around. Cover lightly, being careful not to push stripper away from surface. The polyethylene sheets will not only slow drying process but also protect from the elements. 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.

If a brush must be used, then use the brush like a spade (shovel) to deposit the stripper onto the paint surface. **Do not** attempt to spread the stripper with the brush over large areas.

#### 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, but we suggest checking every 4 hours.



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#### Coverage:

Approximately: 1 to 2.2 sq.mt per Litre. 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 20 mils (500 microns) for one layer of anti-fouling. The number of layers of anti-fouling paint you are removing will determine how heavy to apply stripper.

#### Optimum Temperature:

Surface temperatures should be 20° to 32°C. The product should not be used at temperatures lower than 4.4°C.

#### Removal and Clean-Up:

Begin removal when coating system can be easily scraped off.

Remove polyethylene sheets in sections of 4 feet.

Scrape the softened coatings onto removed poly and remove from work area.

Repeat this process as you work down one side of the boat.

This procedure will insure easy removal regardless of the size of your craft, and prevent drying.

When one side is completely scraped and the paint residue removed, re-apply a light coat of stripper on difficult sections or residue that remains.

Move on to the other side and repeat operation.

The difficult sections should have lifted after 30 mins.

After boat is stripped, do a final rinse and allow to dry 24 hours prior to repainting.

Collect lifted paint and dispose of in accordance with local government regulations.

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.

Refer to the Material Safety Data Sheet for important health and safety information before use.

#### Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge.

However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases