

HULL-STRIP

ANTIFOUL REMOVER

TECHNICAL DATA & APPLICATION GUIDE

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HULL-STRIP ANTIFOULING REMOVER

- Description:** Three Component Paint & Antifoul Removal System consisting of a Paste, a Laminated cover and a Clean-up gel.
- Products:** Hull-Strip **PASTE** is designed to remove multiple layers of Antifouling Paint in one application. Hull-strip utilises a unique blend of new generation, low toxicity organic compounds with emulsifiers, carefully blended to provide the broadest and most effective stripping action whilst providing **IMPROVED SAFETY** to the operator and the environment.
- Hull-Strip **LAMINATED COVER** is used to control the drying rate of the paste.
- Hull-Strip **CLEAN-UP GEL** is formulated to remove the paint residue which is left after the paste and destroyed antifouling has been removed. It also facilitates rinsing.
- Method of Use:** The preferred method of use should be pre-determined by way of a “Test Patch Kit” which is offered as a low cost method of establishing the product performance relative to suitability, application rate and contact time required.
- It also enables the user to estimate the quantity of materials required to complete the project at hand. This is achieved by placing test patches to strategic areas on the hull and relating the results to a full scale strip.
- Before Commencing:** Special consideration should be given to the paint immediately above the water-line. Mask off the leading edge of the antifouling where it meets the paintwork with 25 mm masking tape to prevent any contact or ingress of solvents that may prove to be damaging. Apply the Hull-Strip System only to **DRY** hull surfaces.
- Paste Application:** **HULL-STRIP PASTE** is best applied with a trowel to an even thickness of approximately 2 mm over a 2-3 square metre area at a time. Economy of scale can be achieved by removing any excess material with a 5 mm Tooth Shaped (not square) Tilers’ Trowel. By this means the desired coating thickness of paste can be achieved over the entire hull area with a minimum waste factor. For airless spray application refer to DILUENT DATA SHEET for instructions on dilution rates and suitable spray equipment.

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Laminated Cover: Place the Laminated Cover supplied with the kit over the paste. For maximum moisture containment place the **SHINY SIDE** of the cover **outwards**. Use a dry paint roller to smooth out the cover and eliminate any air bubbles. Masking tape should be used to secure and seal the top edge of the cover and each adjoining sheet should overlap by 25 mm. It is not necessary to tape the overlaps as the cover is self adherent, however the determining factor will always be the prevailing weather conditions at the time.

Cover Removal: Place a disposable drop sheet beneath the hull to effectively contain all the waste. Systematically peel each cover from the paste and dispose to waste. Approach the job by sections only removing three to six covers at a time before commencing the strip.

Antifoul Removal: The paste and the antifouling can be easily scraped from the hull with the aid of a broad knife or spatula. Allow the waste to fall onto the drop sheet for collection and later disposal. Before commencing further cover removal it is preferable to apply the Hull-Strip **CLEAN-UP GEL** at this time. Apply by brush and allow 20-30 minutes contact time.

Rinsing: Remove the drop sheets containing the waste and dispose of thoughtfully. Consideration must now be given to whether or not it will be necessary to contain the rinse water which will probably be determined by site and/or statutory regulations. Thorough rinsing of the surface is essential and is best achieved with a high pressure water cleaner or fire hose. If normal town water pressure is all that is available, it is recommended that the rinsing process be aided by agitating the surface with a broom.

Helpful Hints:

- A full scale strip should never be attempted before the application of “test patches” which will determine the probable result.
- There is a direct relationship between the amount of paste required and the contact time versus the thickness of antifoul on the vessel.
- Using a plasterers trowel, apply the paste in a uniform thickness at no more than two laminate cover widths at a time. Too much paste may be wasteful but too little will prove to be disastrous. The laminate cover should be applied as soon as is practical following the application of the paste. Start at the bow of the vessel and secure the sheets vertically working from the waterline down to the keel. It is advisable to have two persons for the application process.
- Place the shiny side of the laminate cover outwards for maximum moisture containment.

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Helpful Hints:

- A dwell time of 24 hours is regarded as the norm to effect most strips, however 36 - 48 hours may be required on vessels with multiple builds of antifouling and more particularly on wooden vessels.
- Consideration must be given to the prevailing weather conditions. Hot or windy conditions will speed up the drying process of the paste. Cold conditions will slow down the penetration process thus extend the contact time required.
- If rain is a possibility it is important to prevent water ingress behind the laminate cover. Mask above the waterline with 300mL 3M Scotch Masking Film and tape all leading edges. When applying the laminate cover extend beyond the waterline and tape the top edge onto the masking film to form a water tight seal.
- The paste must not be allowed to dry out under any circumstances as this will make removal very difficult.
- Due consideration should be given to containing the waste and lawful disposal.
- Cover removal, scraping off of the antifouling and application of the Clean-up Gel should be approached in sections of approximately 6 cover widths at a time.
- The Clean-up Gel is best applied by brush immediately following the antifouling removal and will require 20 - 30 minutes contact time but must not be allowed to dry on the surface.
- Agitation with the brush on the surface when applying will promote faster penetration and speedy removal of the residue.
- Containment of the rinse water may be required.
- Be mindful of other boats and everything else around you to prevent accidental damage.
- Consider your own personal safety by following the published safety precautions for handling the product.

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Personal Safety:

The manufacturer has endeavoured to formulate this product to present the minimum hazard to both the user and the environment however, common sense dictates that the following safety precautions should be followed when handling any chemical including Hull-Strip.

- Wear safety glasses, rubber gloves and protective clothing.
- Ensure adequate ventilation when using product.
- Wash skin immediately if contact occurs.
- Remove any contaminated clothing immediately and launder before re-use.

A CURRENT MATERIAL SAFETY DATA SHEET IS AVAILABLE UPON REQUEST

Warranty:

The procedures in this document are not intended to be a comprehensive outline of all relevant data and are intended as an assistance to tradesmen. It is essential that all work be carried out using good application practice and in a tradesman like manner.

Successful applications depend on a variety of factors beyond the control of Hull-Strip Technologies Pty Ltd. Use of the products is beyond the manufacturer's control, liability is restricted to the replacement of any material proven faulty and the manufacturer is not responsible for any loss or damage arising from incorrect use.

HULL-STRIP ANTIFOULING REMOVER

Application:	Antifouling remover for single pack paint based antifouling systems.
Clean up:	Water miscible
Colour:	Brown
Contains:	Thickened Hydrocarbon. Solvents, emulsifiers and fillers.
Coverage:	On regular even surface 1sq m - 1kg
Open Time:	Not applicable
Packing:	20kg, 7.5 kg
pH:	5.4 (Apparent)
Storage:	Store in a dry, cool area away from naked flame.
Precautions:	Keep out of reach of children. Use strictly in accordance with manufacturers recommendations. Do not allow to come in contact with any acrylic, PVC, painted or varnished surfaces.

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HULL-STRIP CLEAN UP GEL

MARINE PASTE & VARNISH STRIPPER

- Designed to remove most marine paints and varnishes.
- Formulated from low toxicity solvents and biodegradable ingredients.
- Safer to use than most other strippers.
- Will not harm Gelcoat.

DESCRIPTION: A pink viscous gel designed to adhere to vertical surfaces.

METHOD OF USE: Apply liberally at 1mm thick using a brush. Allow to stand for a minimum of two hours then test with a scraper. When stripping action is complete remove the destroyed paint with a scraper followed by a rinse with copious quantities of clean water.

- The stripping action of Hull-Strip Gel is improved for thick coatings if the area is lightly sanded prior to application.
- Hull-Strip Gel can be left on the surface for up to 36 hours in cool shaded conditions but must however not be allowed to dry out on the surface.

CAUTION: Do not use on rubber, vinyl or clear acrylic surfaces.

HULL-STRIP CLEAN UP GEL MARINE PASTE & VARNISH STRIPPER

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HULL-STRIP DILUENT

- Description:** A yellow liquid concentrate.
- Product:** Concentrated liquid designed to be added to the Hull-Strip Antifoul Removal Paste for the purpose of thinning the paste to a consistency suitable for airless spray application.
- Method of use:** The diluent should be added in small amounts and power stirred into the paste to ensure uniform consistency. The total amount required will vary between 5-25% by volume of paste dependent upon the airless pump capacity and the size of the spray tip. The total amount added however should not exceed 25% as thinning the paste too much will result in lower film build and reduced performance.
- Airless pump:** As a general guide the capacity of the airless pump will need to be capable of delivering 4L/min through a 0.025 - 0.031 inch spray tip.
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