



# PrimaShield

## Antifouling Sealer

### Anticorrosive Water Barrier

#### FEATURES

##### Advantages:

- Single pack direct to steel primer
- Extended time to re-coat with itself or with all solvent borne antifoulings
- Excellent corrosion protection
- May be used to seal old antifouling coatings
- Fast dry time
- Excellent application properties – easy to brush / roll
- Excellent water immersion resistance
- Reinforced with aluminium flake
- Fully compatible primer & sealer for all Altex antifoulings (see Note overleaf)
- Excellent primer & sealer for immersed wooden hulls

#### RECOMMENDED USES

**PrimaShield Antifouling Sealer** is a quick drying, general purpose, below waterline primer designed to provide both exceptional water barrier and tie coat properties to a large range of substrates prior to applying antifouling

**PrimaShield Antifouling Sealer** is used on the following substrates:

- Mild steel & Corten steel hulls & keels
- Timber hulls (sealed with Altex Epoxy TimberSealer)
- Aged exposed epoxy primers / undercoats
- Exposed fibreglass, gelcoat or GRP
- Aged antifoulants - suitable for use as a barrier/sealer coat between unknown or incompatible antifoulings.
- Other substrates – see over page.

**PrimaShield Antifouling Sealer** is used for spot priming of exposed primers & undercoats during maintenance repaints of antifoulings. These spot applications ensure good adhesion of the antifouling to an aged substrate.

#### SPECIFICATION DATA

<b>Coating Type:</b>	Modified Chlorinated Rubber
<b>Colour:</b>	Metallic Grey
<b>Packaging:</b>	1 and 4 litre Single component
<b>Gloss:</b>	Flat
<b>Flash Point:</b>	27°C Setaflash
<b>Density:</b>	1.34 kg per litre
<b>Thinner &amp; Cleanup:</b>	Altex Thinning Solvent #10
<b>Temp Resistance:</b>	60°C (dry)
<b>VOC:</b>	578g per litre
<b>Storage:</b>	Store under cool, dry conditions

<b>Volume Solids:</b>	34%												
<b>Theoretical Coverage Rate:</b>	6.8 sq. metres per litre at 50 microns DFT (roller) 4.5 sq. metres per litre at 75 microns DFT (spray)												
<b>Recommended Film Thickness Per Coat:</b>	221 microns wet to obtain 75 microns dry												
<b>Application:</b>	Spray, brush or roller												
<b>Dry Times (25°C / 75µm DFT / 50% RH):</b>	<table> <tr> <td>Touch Dry</td> <td>-</td> <td>&lt;1 hour</td> </tr> <tr> <td>Hard Dry</td> <td>-</td> <td>18 hours</td> </tr> <tr> <td>To Self Recoat</td> <td>-</td> <td>2 hours</td> </tr> <tr> <td>To Apply Altex Antifoulings</td> <td></td> <td>6 hours</td> </tr> </table>	Touch Dry	-	<1 hour	Hard Dry	-	18 hours	To Self Recoat	-	2 hours	To Apply Altex Antifoulings		6 hours
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<b>Recoat Maximum:</b>	<table> <tr> <td>Self</td> <td>Extended.</td> </tr> <tr> <td>Antifouling</td> <td>30 days</td> </tr> </table>	Self	Extended.	Antifouling	30 days								
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(Solvent borne Antifoulings. Surfaces must be clean and oxidation free.)													
(Refer overleaf for <b>Hydrocoat®</b> recoat times)													

## SURFACE PREPARATION

**Mild Steel:** For the best results on mild steel, abrasive blast to AS 1627.4 Class 2 / SSPC SP6 (Commercial blast) or better. The steel profile after blasting should be 25 to 40 microns in depth and be of a jagged nature as opposed to a peen pattern.

For areas where abrasive blasting is not possible, power tool clean, using a disc grinder, or similar, with a 60-80 grit abrasive pad to achieve a coarse metallic sheen. PrimaShield Sealer should be applied to the prepared steel surface as soon as possible to prevent re-rusting or contamination.

**Timber:** Bare timber surfaces should be coarse sanded, across the grain to achieve a clearly discernible surface profile. Dedust and apply 1-2 coats of Altex Epoxy TimberSealer.

Apply 2-3 subsequent coats of PrimaShield Sealer. Apply the selected Altex Antifouling to the primed surface.

**Aluminium, Bronze / Brass Fittings:** Ensure the surface is degreased with C50 Surface Cleaner, and abrade with 80 grit, non metallic discs or sandpaper. Prime within 2 hours of surface preparation. Apply three coats before applying antifouling.

Use PrimaShield Sealer for spot repairs to limited areas only. For new work or full repaints, a two pot system is preferred, please refer to Altex Epoxy Primer.

**Aged Epoxy Primers:** Degrease with C50 Surface Cleaner, and abrade with 80 grit, non metallic discs or sandpaper to achieve a roughened & matt finish.

### **Repainting Aged Antifoulings:**

Low pressure water clean (3,000 psi / 200 bar minimum) to remove all marine growth, hydrolysed antifouling, salts, loose paint and any other foreign matter.

Wet sand the surface with 80 grit sandpaper to ensure total removal of any remaining contaminants, including residual hydrolysed antifouling. Rinse thoroughly.

The cleaned & sanded surface, once dry should be free of any powdered antifouling.

Sand any exposed primers with 80 grit sandpaper and feather out the edges of the antifouling to remove broken edges & de-dust. As a minimum, all exposed primers must be recoated with a single coat of PrimaShield Sealer before application of the antifouling

If the surface is to be fully sealed then apply one to two coats\* of PrimaShield Sealer.

Apply the selected Altex Antifouling to all surfaces.

**Note:** Minimum cure to apply Pettit **Hydrocoat**<sup>®</sup>: 7 hours - preferably overnight. Extended maximum to 5 days

## DIRECTIONS FOR USE

### **Mixing:**

Use mechanical agitation for proper mixing to ensure homogeneous condition. Stir until thoroughly mixed.

### **Thinning:**

For roller application thinning up to 10% v/v with Altex Thinning Solvent #10 may assist application.

Depending upon equipment set-up and capacity, spray application may require thinning between 5% to 25% v/v with Altex Thinning Solvent #10.

Note: Excessive thinning can cause low film thickness, sagging and other film defects.

**Clean-up:** Altex Thinning Solvent #10

### **Application:**

PrimaShield Sealer can be applied by spray, brush or roller. Application by either airless or conventional air spray equipment is the preferred method but is not essential.

Suggested spray equipment is:

Air Spray:	<i>Graco</i> - Delta Air Spray; 1.4 – 1.8mm Fluid Nozzle <i>DeVilbiss</i> - JGA Gun, E Fluid Nozzle, 78 Air Nozzle
Airless Spray:	<i>Graco</i> - 30:1 pump, Contractor Gun, 0.019-0.021" RAC IV tip

(Note : Other equipment equivalent to the above may be used.)

## PRECAUTIONS

For DIY & Professional Use: Read and follow all the caution statements on this Product Data Sheet, the product label and the Safety Data Sheet (SDS) for health and safety information prior to use.

**PrimaShield Sealer** is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

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