

PETTIT PROTECT FAST DRY

- Reduces water absorption in fiberglass hulls and prevents osmotic blistering
- Excellent water and chemical resistance
- Exceptional protection for steel, aluminum and other metals
- High Performance System for Underwater Running Gear



Pettit Protect Fast Dry is a heavy duty, two-component, epoxy coating for use where maximum resistance to fresh or salt water is required. It reduces water absorption making it an excellent choice for osmotic blister prevention and repair. Its high-solids formula allows for quicker and easier application with fewer coats necessary for effective protection. It also offers dependable corrosion protection on all underwater metals.

Pettit Protect Fast Dry white 4900/4901 offers all the benefits of gray Pettit Protect Fast Dry in a white color that will not bleed through even the lightest colored bottom paints. Specifically designed for use below white and light-colored Vivid bottom paints, its use reduces the number of finish coats needed to achieve full color. Pettit Protect has excellent durability in exterior exposures, although, like most epoxies, it will chalk if not top coated.



GRAY
4800/4801



WHITE
4900/4901

Note: Color differences may occur between actual color chips shown.

TECHNICAL INFORMATION

VEHICLE: Epoxy/Polyamide

FINISH: Low Luster

COMPONENTS: 2

MIX RATIO (A/B): 3 to 1 (*by volume*)

CURING MECHANISM: Chemical Cure

POT LIFE: 1 ½ hrs @ 90°F, 3 hrs @ 70°F,
7 hrs @ 45°F

INDUCTION: 15 minutes @ 65°F and above

SOLIDS BY WEIGHT: 68 ± 2%

SOLIDS BY VOLUME: 51 ± 2%

COVERAGE: 260ft²/gal.

VOC: 376 grams/liter (3.14 lbs/gal)-Part A Only
544 grams/liter (4.54 lbs/gal)-Part B Only
418 grams/liter (3.49 lbs/gal)-Parts A & B

APPLICATION METHOD: Brush, roller or spray

NUMBER OF COATS: 2 minimum, 3 coats recommended for best results

WET FILM THICKNESS: 6.1 mils

DRY FILM THICKNESS: 3 mils

APPLICATION TEMP (AIR & SUBSTRATE):
45°F Min / 90°F Max

THINNER: 97 Epoxy Thinner

DRY TIME:

	TO RECOAT	TO BOTTOM PAINT	TO LAUNCH
90°F	2 hrs-6 mo.	1-5 hrs	8 hrs. min.
70°F	3 hrs-6 mo.	3-7 hrs	12 hrs. min.
45°F	5 hrs-6 mo.	5-9 hrs	24 hrs. min.

SURFACE PREPARATION:

Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance. Surface must be clean, dry, and free from oil, grease, or wax contaminants to ensure adequate adhesion of Pettit Protect.

MIXING:

Stir or shake contents thoroughly to remix any settled material. Mix 3 parts Part A with 1-part Part B by volume and stir thoroughly. Mix only enough material which can be used well within 3 hours @ 70°F. Higher temperatures will reduce pot life, while cooler temperatures will increase pot life. Let mixed primer stand 15 minutes before use.



APPLICATION INFORMATION: Pettit Protect Fast Dry can be easily applied by brush, roller or spray. Use a high-quality bristle brush or 3/8" nap roller made for epoxy paints. Pettit Protect has a pot life of 3 hours at 70°F, only mix enough paint for application in that time frame. Thinning is generally not required, but in adverse weather conditions the product may be thinned up to 10% with Pettit 97 Epoxy Thinner to ease application. Follow the recommended recoat and overcoat dry times carefully. If the maximum re-coat or overcoat times are exceeded, sand with 80 grit sandpaper to insure adhesion of subsequent coats of primer or paint. When sanding, always vacuum or use clean shop air and tack rags to remove sanding residue.

Surface Preparation: Surface must be clean, dry and free of all dirt, rust, oil, grease, wax, soap and any other foreign matter. Once clean, prepare the surface as detailed under substrate type below.

BARE FIBERGLASS: All bare fiberglass, regardless of age, should be thoroughly cleaned with 92 Bio-Blue Hull Surface Prep or de-waxed several times with Pettit D-95 Dewaxer. One Coat No Sand Priming System: Dewax as previously described.

1. Apply 1 coat of Pettit Protect. Apply the first coat of bottom paint over the Pettit Protect while the Pettit Protect is still thumb-print tacky.
2. Apply a second coat of antifouling paint following dry times.

Barrier Coat System:

1. Sand thoroughly with 60 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 120 Brushing Thinner to remove sanding residue.
2. Apply at least two coats of Pettit Protect following the application and recoat instructions. Finish with two coats of Pettit antifouling paint.

BLISTERED FIBERGLASS: Refer to Pettit Technical Bulletin TB1000 "Gelcoat Blister Repair and Prevention Specification" on www.pettitpaint.com for detailed instructions.

Bare Steel: Sandblast to SSPC-SP 6. Commercial blast, blow off residue with clean, compressed air and immediately apply three coats* Pettit Protect following application and recoat instructions.

Alternatively, hand sand with 80 grit sandpaper or power hand tool, then remove residue with clean, compressed air or by vacuuming. Immediately apply one coat of Pettit 6980 Rustlok Steel Primer and let dry to a tack-free state (usually 30 minutes to 2 hours, dependent on temperature). Then apply three coats of Pettit Protect following application and recoat instructions. Do not let Rustlok Primer dry longer than 2 hours under any circumstances before applying Pettit Protect.

BARE ALUMINUM: Sandblast (Using non-metallic media) or disc sand with 60 grit to clean bright metal. Remove residue. Apply 2 coats of Pettit 4400/4401 Aluma-Protect for maximum corrosion resistance. Apply 2 coats of Pettit Protect 4700/4701 followed by 2 coats of copper free antifouling paint.

All Other Substrates: Please go to www.pettitpaint.com for the product data sheet with application instructions for all other substrates.

Number of Coats: 2 - 3 coats minimum. Total dry film thickness is more important than the actual number of coats applied. On fiberglass and metal;
2 coat application- if 6 dry mils is not achieved with two coats, additional coats are recommended until 6 mils total DFT is achieved.
3 coat application- if 9 dry mils is not achieved with three coats, additional coats are recommended until 9 mils total DFT is achieved.

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SPRAY APPLICATION INFORMATION: Pettit Protect Fast Dry can be easily applied by spray. Mix part A with part B in the appropriate ratio. Allow to induct for 10-15 mins. Add up to 10% Pettit Epoxy Thinner # 97.

PRESSURE POT SYSTEM POT SETUP: Pressure pot gauge should be set 15-25 PSI.
A test stream should be performed with no air pressure to achieve 16-20 oz. product/per minute or 2-3 ft. stream.

CONVENTIONAL GUN SETUP: Binks or equivalent
Gun Pressure: 40 - 55 PSI
Fluid Needle/ Nozzle: 1.6 - 2.0 mm (.065" - .80")

HVLP GUN SETUP: SataJet 1000B HVLP or equivalent
Gun Pressure: 25 - 32 PSI
Fluid Needle/ Nozzle: 1.8 - 2.2 mm (.072" - .090")
Not recommended to be sprayed by conventional gravity feed cup gun.

AIRLESS GUN SETUP: Binks or equivalent
40 - 1 Pump: 50 - 60 PSI pump gauge pressure
25 - 1 Pump: 70 - 80 PSI pump gauge pressure
Orifice Size: .015" - .024"
If using airless/ air assisted equipment, introduce 20 - 40 PSI of air to allow for uniform pattern and particle size.