

# ProPoxy™

- Two-component acrylic topcoat
- Longest lasting, highly durable urethane finish
- Maximum gloss and color retention
- Abrasion and chemical resistant



## PREMIUM TWO-COMPONENT HIGH-GLOSS ACRYLIC URETHANE

ProPoxy™ is a perfected single stage, two-part, acrylic urethane coating that cures to a high-gloss, durable finish. ProPoxy builds on this proven platform to create a stunning, long-lasting, buffable finish for exterior applications.

ProPoxy's high solids formula features excellent coverage and hide.

Unlike traditional polyurethanes, this product is easier to apply and repair. ProPoxy offers best in class flow-out, aesthetics, and durability in fewer coats.

ProPoxy cures quickly reducing contamination during application and shortens return to service times. ProPoxy, Pro Technology for a Pro Finish.

**ProPoxy is NOT compatible with single-part polyurethane, oil based or water-based coatings.**

## TECHNICAL INFORMATION

**VEHICLE TYPE:** Acrylic polyurethane

**FINISH:** High gloss

**COMPONENTS:** Two

**MIX RATIO:** 2:1

**SOLIDS BY WEIGHT:** 48 - 52% ± 4%

**COVERAGE:** Zero loss calculations

600 - 800 ft<sup>2</sup>/gal. @ 1 mil - Liquid

200 - 275 ft<sup>2</sup>/gal. @ 3 mils - Liquid

12 ft<sup>2</sup> - Aerosol

**VOC:** <420 grams/liter (for white)  
other colors will vary slightly

**FLASH POINT:** 113°F (for white)  
other colors will vary slightly

**APPLICATION METHOD:** Conventional spray equipment

**NUMBER OF COATS:** 2 minimum

**WET FILM THICKNESS:** 2 - 3 mils per coat

**DRY FILM THICKNESS:** 1.0 - 1.5 mils per coat

**APPLICATION TEMP:** 50°F Min / 90°F Max

**REDUCER:** ProPoxy Reducers

**REDUCER RATIO:** 25%

**VISCOCITY:** 16-18 Zahn #2

**GUN TIP SIZE:** 1.0-1.2mm

**AIR PRESSURE:** 25 - 35 psi

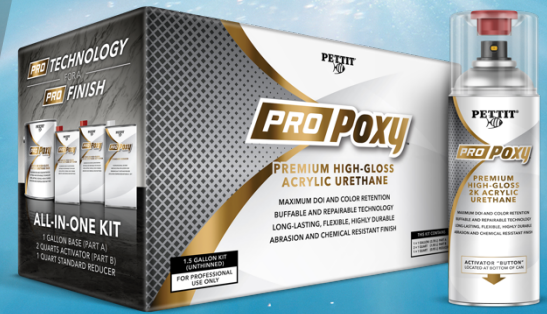
**CLEANER:** 128 ProPoxy Standard Reducer

**POT LIFE:** 4 hours @75°F

**ASSOCIATED PRODUCTS:** AnchorTech® Adhesives and Sealants, EZ Speed Strip™ 125, 4700/4701 Pettit Protect Epoxy Primer, 92 Bio Blue® Hull Surface Prep, ProPoxy Prep Solvent 130, ProPoxy Reducers, ProPoxy Epoxy Primer

### Mixing Instructions:

1. Mix part A acrylic base material well. All solids must be properly dispersed.
2. Mix 2 parts of A base and 1 part of B activator together at 2:1 mix ratio.
3. Reduce with ProPoxy Reducer up to 25% depending on weather and application conditions and mix well
4. Induct mixture for at least 5 minutes prior to applying ProPoxy



**APPLICATION INFORMATION:** ProPoxy may be applied via conventional or HVLP spray equipment. Apply 2 medium wet coats allowing 45 minutes in between coats until recommended film thickness is achieved. Do not apply in the late afternoon when working outdoors as the wet film may be adversely affected by changes in temperature and humidity. When working in cooler temperatures (below 65 F) be sure the air and surface temperatures will remain at or above 50°F for at least 8 hours after application. Do not apply paint materials to surfaces less than 5°F above dew point, or to surfaces warmer than 125°F.

**NOTE:** ProPoxy allowed to cure for 24 hours or longer must be sanded with 320 grit sandpaper for proper adhesion.

**PREPARATION FOR PAINTING: Verify if previous painted surface passes the 'coating compatibility testing'.** If the previous coating passes the compatibility test proceed with the outlined steps for preparation. Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Surface must be free of dirt, loose paint, rust, oil, grease, wax, soap, and any other foreign matter. Remove existing mildew with household bleach instead of ammonia. Prep areas to be painted Pettit 92 Bio-Blue Surface Prep and a scotchbrite® pad and rinse clean with water. Prior to coating application, the surface should be cleaned with Pettit 130 ProPoxy Prep Solvent using the two-rag cleaning method.

**BARE FIBERGLASS/GELCOAT:** The entire surface to be painted regardless of age must be thoroughly prepped with 130 ProPoxy Prep Solvent using the two-rag method. Sand the gel coat with 220 grit sandpaper to a dull appearance, solvent clean to remove residue. If the surface is rough or imperfections exist, it will have to be repaired. Fill all nicks and gouges with 7050 EZ Fair Epoxy Fairing Compound, sand flush when hard. Follow with a coat of ProPoxy Epoxy Primer to smooth the surface and provide a uniform base. Sand all surfaces to final 320-400 grit profile. Entire surface should be wiped down with 130 ProPoxy Prep Solvent using the two-rag method prior to application of ProPoxy acrylic topcoat.

**BARE STEEL/ALUMINIUM:** Surface must be cleaned to a bright finish by sandblasting or grinding to minimum SSPC-SP10 Near White; remove blast residue with a clean dry air line and broom. Surface must hold a uniform 2-3 mil anchor profile. Aluminum needs to be prepared with non-ferrous media or grinding materials. Immediately apply two coats of 4700/4701 Pettit Protect Epoxy Primer. Allow to dry a minimum of 24 hours. Scuff the primer with 120-180 grit sandpaper. Apply 2-3 coats ProPoxy Epoxy Primer following instructions. Repeat application as needed until a smooth, uniform base is reached. Proceed with the first coat of ProPoxy. Sand all surfaces to final 320-400 grit profile. Entire surface should be wiped down with 130 ProPoxy Prep Solvent using the two-rag method prior to application of ProPoxy acrylic topcoat

**2-PART PAINTED SURFACES:** The entire surface to be painted regardless of age must be thoroughly prepped with 130 ProPoxy Prep Solvent using the two-rag method. In some cases, priming may not be necessary if the previous coating is in excellent condition. If priming is necessary, sand the previous 2-part painted surface with 220 grit sandpaper to a dull appearance, solvent clean to remove residue. If the surface is rough or imperfections exist, it will have to be repaired. Fill all nicks and gouges with 7050 EZ Fair Epoxy Fairing Compound, sand flush when hard. Follow with a coat of ProPoxy Epoxy Primer to smooth the surface and provide a uniform base. Sand all surfaces to final 320-400 grit profile. Entire surface should be wiped down with 130 ProPoxy Prep Solvent using the two-rag method prior to application of ProPoxy acrylic topcoat.

**Coating Compatibility Testing:** To ensure long term coating performance the surface should be tested with two compatibility tests to confirm solvent compatibility and condition of existing coating.

**Test 1- SOLVENT COMPATIBILITY:** First, sand a 4"x4" area with 220 grit paper lightly to a dull finish. Next, saturate a small rag with Pettit ProPoxy reducer 128 or ProPoxy Epoxy Reducer. Finally, tape the rag to the scuffed surface for 20-30 mins. Remove and inspect coating after 30 mins for detachment, coating degradation or softening.

**Test 2 - SYSTEM ADHESION COMPATIBILITY:** Perform a cross hatch adhesion test of existing coatings under ASTM 3359 Method B or C as appropriate.

If either test fails, the coating must be removed completely, and the sanded surface retested for compatibility.

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Gun	Air Pressure	Nozzle
Conventional Gravity Feed	25-35 psi	1.0-1.2 mm
Conventional Pressure Pot	6-8 psi (Pot) 25-35 psi (gun)	0.8-1.2 mm at 8-10 oz/min

Dry Times	Overcoat Time	Touch Dry	Tape	Light Service/ Polish
90 Degrees	15 mins	30 mins	6 hours	30 hours
75 Degrees	30 mins	60 mins	8 hours	36 hours
60 Degrees	60 mins	120 mins	16 hours	48 hours

Temperature (F)	55	60	65	70	75	80	85	90+
Fast Reducer 129								
Standard Reducer 128								
Slow Reducer 127								