



F2 OPTIPROP IS NOT A CONVENTIONAL ANTIFOULING PAINT

Follow the instructions exactly. Deviations can lead to poor adhesion and peeling.

BEFORE YOU START

Read the full guide. The current online guide is authoritative. This is a summary only, not complete.

- Full guide: f2eco.eu/optiprop-application
- Safety data sheets: f2eco.eu/downloads
- Support: support@f2eco.eu



GUIDE

System Overview

F2 OptiProp is the high-performance coating for propellers and running gear. It bonds to bare metal (stainless steel, bronze, NiBrAl, aluminium) and to plastic, and is engineered for the rotating, high-flow parts. Saildrive, sterndrive, trim tabs and rudder can be coated either with F2 OptiProp or with F2 EcoHull.

F2 Surface Activation Fluid	Degreases and activates the bare metal right before priming.
F2 OptiProp Super Bond Primer	Two-component primer. Seals the metal and forms the high-bond base for the system.
F2 OptiProp Intermediate Tie Coat	Black intermediate layer. Links the primer and Top Coat and provides intercoat adhesion.
F2 OptiProp Top Coat	Bronze functional layer. Ultra-smooth fouling-release surface that makes it extremely hard for fouling to take hold.

DO NOT COAT THE MECHANISM

On folding and feathering propellers, mask the joints, bearing surfaces and hubs. They must stay free to move.

DO NOT COAT THE ANODES

Mask anodes, shaft seals, bearings and threads. Anodes need contact with bare metal.

STORAGE

Unopened shelf life 12 months. Use up promptly once opened.



OVERVIEW Not a substitute for the full guide. Every step in detail at f2eco.eu/optiprop-application.

1 Mask anodes & mechanism

Mask anodes, shaft seals, bearings, threads. Folding/feathering: mask the mechanism, keep it free to move.

2 Clean

Remove fouling, barnacles and calcium. Acid-wash if needed, rinse and dry.

3 Sand to bare metal

Machine-sand, P80 grit, to bare metal. Remove all dark oxidation. Don't alter the profile. Remove dust.

4 Check conditions

Temperatures 10–35 °C, surface at least 3 °C above the dew point, max. 90 % humidity.

5 Degrease with F2 Surface Activation Fluid

Soak cloth #1 in Surface Activation Fluid, wipe in one direction. Immediately wipe dry with cloth #2. Surface must be squeaky-clean. Then don't touch it again.

6 Apply F2 OptiProp Super Bond Primer

Stir the BASE. Mix BASE and ACTIVATOR 150:100 by volume, do not thin. Let stand 2 min. Apply one thin, smooth coat (100 µm). Turn the propeller to reach all areas.

SHORT POT LIFE Max. 30 min at 20 °C. Mix only a small batch.

Before Tie Coat min. 4–6 h (touch-dry) max. 24 h (otherwise sand P180 + degrease)

7 Apply F2 OptiProp Intermediate Tie Coat

Stir well, do not thin. Apply one coat smoothly over the touch-dry primer.

Before Top Coat min. 4–6 h (touch-dry) ∞ (as long as clean, dry, dust-free)

8 Apply F2 OptiProp Top Coat

Stir well, do not thin. Apply one generous coat, brushing outwards at the blade edges. Fix drips immediately. Aim for mirror-smooth, no runs.

Before launch min. 24 h ∞

9 Refit anodes, check free movement & launch

MECHANISM & ANODES Refit anodes. Check free movement of propeller, shaft and mechanism.

10 Care & gentle use

For the first 3 days of use, run the propeller at gentle revs only, no full throttle. Remove fouling only with a soft cloth or sponge, never metal scrapers or abrasive pads.