












F2 OPTIPROP IS NOT CONVENTIONAL ANTIFOULING PAINT. FOLLOW INSTRUCTIONS EXACTLY. DEVIATIONS CAN CAUSE POOR ADHESION OR COATING FAILURE.




General Notes

-  **Substrate:** For stainless steel, bronze, NiBrAl, and aluminium propellers & running gear. Surfaces must be clean, dry, uniformly abraded. Mask or remove anodes; do not coat anodes, shaft seals, bearings, or mating/threads.
-  **Coverage:** ~2.5 m² per 3x250 ml kit. Avoid runs/sags and do not over-build on leading/trailing edges or hub fillets.
-  **Thinners:** Do not dilute any component!
-  **Storage/handling:** Store cool & dry (5-10 °C). Note expiry; keep tins closed and sealed; use opened tins promptly.
-  **Return to service:** Wait 24 h after application before returning to water; do not operate propellers for 3 days.
-  **Environment:** Apply only when air > 5°C, surface > 3°C above dew point, Humidity < 90%. Avoid condensation and contamination— isolate the work area and do not sand, polish, or cut nearby!
-  **Tools:** High-quality brush or felt/foam roller (rounded edges). Use a lay-off technique.





Preparation

-  **Bare Metal (propellers & running gear):** Remove all marine growth (e.g., barnacles, tube worms). If required, acid-wash, then rinse & dry. Remove or mask anodes. Mechanically abrade to bright, uniform metal with a 4" stripping disc; do not alter the propeller profile. Blow off/wipe away residues.
-  **Degreasing & surface conditioning:** Wet F2 Preparation Fluid on cloth #1 and wipe thoroughly to lift remaining oils/contaminants; immediately wipe dry with clean cloth #2 until squeaky-clean. After cleaning, do not touch metal with bare hands. Keep surfaces clean, dry, and protected from rain/condensation.

Coating

-  **F2 OptiProp Super Bond Resin Primer (2K):** Stir the BASE, then add HARDENER and mix thoroughly (mix ratio 150:100 by weight). Let the mix rest a few minutes to release air bubbles. Pot life ~30 min @ 20 °C. Do not dilute. Apply one uniform, well-covering coat by brush/roller using a lay-off technique; target ≈100 µm wet (theoretical ~10 m²/L). Avoid runs/sags.
 Minimum overcoat: 4 hours (touch-dry) at 20°C (6 hours at 10°C) | Maximum: 24 hours (if exceeded: key & degrease!)
-  **F2 OptiProp Tie Coat:** Material is ready-to-use; stir thoroughly. Do not dilute. Apply one coat by brush/roller using a lay-off technique. Pre-coating: Must be applied over F2 Super Bond Resin Primer (within 24 h of the primer; after 24 h key & degrease).
 Minimum overcoat: 4 hours (touch-dry) at 20°C (6 hours at 10°C) | No maximum overcoating time.
-  **F2 OptiProp Top Coat:** Material is ready-to-use; stir thoroughly. Do not dilute. Apply one coat by brush/roller using a lay-off technique over the Tie Coat.
 Wait at least 24 hours before return to water. | Full chemical cure: 3 days – do not operate propellers during this period.

Final Steps

-  **Initial cure & launch:** After Top Coat, allow ~4 h @ 20 °C for initial cure. Return to water after 24 h. Do not operate propellers for 3 days (full chemical cure).
-  **Anodes & hardware:** Re-install or uncover anodes; ensure no coating is on anodes, seals, bearings, threads, or mating faces. Check for free rotation/clearances before launch.
-  **Early service care (first weeks):** If light biofilm appears, wipe gently with a soft cloth/glove underwater—no abrasives, no polishing compounds.
-  **Routine maintenance:** Keep surfaces clean to maintain foul-release performance. Use a soft brush/cloth; avoid hard scraping.