F2 EcoHull Application Notes

NOT LIKE CONVENTIONAL ANTIFOULING

F2 EcoHull is applied differently from the conventional antifouling you know. Please follow these instructions exactly. Answers from AI chatbots can be wrong.

BEFORE YOU START

- → **Watch the video**, 12 minutes
- → Read the full guide: f2eco.eu/application. This is only a summary and does not replace the full guide.
- → Store tins sealed, frost-free and protected from heat. Unopened, they keep for 24 months from manufacture. Once opened, reseal airtight and use within 5 days.
- → **Questions?** We are happy to help: support@f2eco.eu

VIDEO

GUIDE

Surface preparation

THE SMOOTHER THE SUBSTRATE, THE BETTER THE RESULT

F2 EcoHull is a long-term coating. Lasting adhesion needs a **sound, clean, dry** substrate. Fouling-release only works on a smooth surface. Correct any unevenness beforehand.

SCENARIO A Hull with old antifouling

1. **Remove old antifouling**, if possible down to the underlying primer. Repair unevenness. Finish by sanding evenly to a matt finish with P180 to 220.
2. **Clean.** Dilute F2 Degreasing Solution 1:10 with fresh water, wash the hull with a brush, rinse thoroughly, let dry. Do not use acetone, nitro or any other solvents!
3. **Apply primer.** One coat seals the substrate and bonds it to the Adhesive Coat. Which primer suits your hull: step 4 of the guide at f2eco.eu/application. Apply according to its data sheet, colour matched to the Adhesive Coat.
4. **Continue with Adhesive Coat. 1K primer**: overcoat within 24 hrs. If it has become later: roughen, clean, let dry. **2K primer**: always wash first, then roughen, as in Scenario B, steps 3 and 4.

SCENARIO B Bare hull

1. **Build a barrier coat.** F2 EcoHull does not protect against osmosis or corrosion. Apply a 2K epoxy primer for underwater use according to its data sheet. Final coat in the colour of the Adhesive Coat for full opacity.
2. **Let it outgas.** Solvent-based epoxy needs at least 7 days for the solvents to escape. Trapped, they cause delamination. Cure solvent-free epoxy according to its data sheet.
3. **Wash, then roughen.** As 2K epoxy cures, a water-soluble film forms (amine blush) on which nothing adheres. Always wash with water first, then roughen evenly with P180 to 220.
4. **Clean.** Dilute F2 Degreasing Solution 1:10 with fresh water, wash the hull with a brush, rinse thoroughly, let dry. Do not use acetone, nitro or any other solvents!

→ **Do not coat:** transducers, anodes. Mask them off before painting. Use F2 OptiProp for propeller, shaft, etc.

F2 EcoHull Application Notes

Applying the coating

CONDITIONS FOR ADHESIVE COAT AND TOP COAT

10 to 35 °C ambient temperature | **at most 80%** humidity | **Hull at least 3 °C** above the dew point

→ **Beware of condensation!** A cool hull mists up in damp morning air: usually wait until midday.
→ **Hull clean, dry, dust-free.** No sanding or polishing dust nearby.
→ **Keep the fresh coat dry:** no rain and no dew until it is touch-dry.

5 Apply Adhesive Coat

Bonding layer and colour base

→ Stir the tin **mechanically for 2 minutes**. Stirring by hand is not sufficient. Do not dilute.
→ Apply with a foam roller in a cross-roll pattern: first vertically, then horizontally. As smooth as possible!
→ **Apply the material with good coverage**: around 150 µm, 1 litre for about 6.7 m², in one pass or in two thin ones. Apply the second only when the first is touch-dry. Use it all except what is left for the stand points (step 8).

Wait before Top Coat	**min. 6 to 8 hrs**, until touch-dry	no maximum

6 Apply Top Coat

Transparent fouling-release surface

→ Stir well. Do not dilute. Same application as for the Adhesive Coat.
→ **Exactly as much material as for the Adhesive Coat**, even though the layer is barely visible. Not too thin!
→ Smooth out runs and flaws immediately.

Wait before craning	**min. 36 hrs**	no maximum, the boat can stay on land

7 Moving stands, craning, trailering

SLIP HAZARD	The surface is extremely smooth and not scratch-resistant. **Secure slings against slipping**, use pads. Guide at: f2eco.eu/lifting

LIFTING

8 Rework the stand areas

→ After moving the stands, prepare the stand points in the same way as the rest of the hull (page 1).
→ Apply all coats with the same quantities and waiting times, overlapping by 5 cm.

9 Launch and cure

→ Launch as soon as the Top Coat at the stand points is touch-dry. No maximum.
→ At launch the surface still feels slightly tacky and soft. This is normal.
→ The coating cures for **8 to 12 weeks in the water**. The surface stays rubbery and elastic.

Care and cleaning

FOULING SETTLES. THIS IS NORMAL.

F2 EcoHull works through the smooth surface, not through biocides. Fouling adheres to it more weakly and can usually be wiped off. **Cleaning is part of it.** How often depends on your waters and use.

→ **First clean after 8 to 12 weeks in the water**, earlier in case of heavy fouling.
→ Clean usually with a soft brush or sponge, also possible from the pontoon.
→ Full care guide: f2eco.eu/care
→ **Pressure washer** only after full cure: flat jet, max. 200 bar, at least 50 cm distance, no rotor nozzle.

CARE