OptiProp Super Bond Primer

Product Features

Description
F2 OptiProp Super Bond Primer is a solvent-free two-component primer (BASE and ACTIVATOR) of medium viscosity for the F2 OptiProp Fouling Release System. On stainless steel, bronze, NiBrAl and aluminium it forms a high-bond primer layer before F2 OptiProp Intermediate Tie Coat.

Recommended Use
As the first coat on propellers and underwater running gear, at new build and during maintenance and repair. Apply to carefully prepared metal to seal the substrate and create a bonding base for the F2 OptiProp system.

Limits of Use
For metal under water only. The primer is always abraded before F2 OptiProp Intermediate Tie Coat.

Product Safety

BASE Signal word Warning

ACTIVATOR Signal word Danger

Safety Precautions
ACTIVATOR may cause an allergic skin reaction, is harmful if swallowed and irritates skin and eyes. Wear protective gloves, safety glasses and protective clothing. National occupational health and safety regulations must be observed. Safety data sheet: f2eco.eu/downloads

Product Data

Composition
Solvent-free 2K primer system of BASE and ACTIVATOR

Mixing ratio
BASE : ACTIVATOR = 150 : 100 (by volume)

Pot life
30 minutes at 20 °C

Reference Film Thickness
100 microns (wet and dry)

Pack Sizes
Kit, see f2eco.eu

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Surface Preparation

Bare metal

- Remove all marine growth (e.g. barnacles, tube worms).
- If required, wash with acid, then rinse and dry.
- Remove anodes or cover them with masking tape.
- Abrade mechanically to bright, uniform metal (P80) to remove hard surface contamination. Do not alter the propeller profile.
- Blow off or wipe away dust and residues.

Degreasing

- Wear chemical-resistant gloves and eye protection.
- Wet the first cloth with F2 OptiProp Surface Activation Fluid and wipe all metal thoroughly to lift remaining oils and contaminants.
- Immediately wipe dry with a second clean cloth until the surface is clean.
- After cleaning, do not touch the metal with bare hands. Keep the surface grease-free until priming.

Application Conditions

Ambient temperature must be between 10 and 35 °C during application and drying, and surface temperature at least 3 °C above the dew point. Relative humidity must not exceed 80 %. Protect the fresh coat from rain and dew until it is touch dry.

Application

Mixing ratio	BASE : ACTIVATOR = 150 : 100 (by volume)
Pot life	30 minutes at 20 °C
Thinner	Do not dilute
Application Method	Brush or roller (felt or foam roller)

Application Notes

- Stir the BASE, add the ACTIVATOR and mix well. Let the mixture rest for a few minutes so that air bubbles can escape.
- Apply one coat to all surfaces with a brush and lay off evenly.
- Target: 100 microns wet film. Do not over-apply, excess material can run or sag.
- After application, allow to dry for about 3 hours at 20 °C until touch dry.
- **Before F2 OptiProp Intermediate Tie Coat, always abrade the primer,** then clean and let dry.

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Drying and Overcoating

Drying Time	Guide Value
Touch dry	3 hours at 20 °C, 4 hours at 10 °C
Overcoatable after	4 hours at 20 °C, 6 hours at 10 °C
Before the Intermediate Tie Coat	always abrade
Full cure	3 days

Guide values for a film thickness of 100 microns.

Removal
With F2 Coating Remover. Questions about this to support@f2eco.eu.

Storage and Disposal

Storage Conditions
Store closed, frost-free and protected from heat and direct sunlight.

Shelf Life
Unopened containers: 12 months from date of manufacture.

Disposal
Excess material and empty containers must be disposed of in accordance with the applicable regulations.

This datasheet applies in the version stated above to the product supplied. The version valid at the time of the order is decisive. It describes the product and its application and does not replace the complete instructions at f2eco.eu. If the documents differ, the following order applies: 1. our written information on the individual project, 2. the instructions, 3. this datasheet. Label and safety data sheet must also be observed.

Substrate, preparatory work, application and conditions of use are beyond our control. Application that deviates from the instructions and the datasheet is not intended use. Damage resulting from it is not a defect of the product. The information in this datasheet is not a guarantee. Delivery, statutory warranty and liability are governed by the General Terms and Conditions of F2 ECO Trading GmbH (f2eco.eu).