



Super Bond Resin Primer

Product Features

Description

F2 OptiProp Super Bond Resin Primer is a solvent-free, two-component (2K) primer/sealer with medium viscosity and damp-tolerant curing, developed for the F2 OptiProp Advanced Fouling Release system.

It lays down a high-bond primer layer on stainless steel, bronze, NiBrAl, and aluminium prior to F2 OptiProp Tie Coat. Formulated to work in the presence of water and to cure at low ambient temperatures.

Supplied pigmented light bronze to provide a visual guide for application uniformity, film build, and coverage.

Recommended Use

Use as the first coat on propellers and underwater running gear at new build or during maintenance/repair, priming stainless steel, bronze, NiBrAl, and aluminium prior to application of the F2 OptiProp Tie Coat. Apply to properly prepared metal to seal the substrate and establish a high-bond base for the F2 OptiProp system.

Composition

A solvent-free, "super-bond" underwater primer system engineered for high adhesion. The formulation is bio-based, made from plant-derived raw materials, and is environmentally responsible.

Product Safety

Flash Point	approx. 400°C
Viscosity (mPas)	700-1200
VOC-Content	< 0,3 g/L (EPA-Method 24)

Safety Precautions

Application should be carried out in accordance with the instructions on this data sheet, the safety data sheet, and the container labels. National occupational health and safety regulations must be observed.

Product Data

Color

Light Brown

Finish

High gloss

Solid Volume

99,8 %

Recommended Layer Thickness

100 microns (wet and dry)

Theoretical Coverage

10m² per liter

Density

1.12 g/cm³ (BASE)

1.02 g/cm³ (HARDENER)

Available Packaging

3x 250ml Kit

(other sizes upon request)



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Super Bond Resin Primer

Surface Preparation

Bare metal

- Remove all marine growth (e.g., barnacles, tube worms). If required, acid-wash, then rinse and dry.
- Remove or mask anodes (masking tape) to protect them.
- Mechanically abrade to bright, uniform metal using a 4" stripping disc on an angle grinder or drill to remove hard surface contamination. Do not alter the propeller profile.
- Blow off or wipe away dust and residues.

Degreasing & surface conditioning

- PPE: Wear chemical-resistant gloves and eye protection.
- Conditions: Substrate and ambient temperature 5–35°C; surfaces must be clean and dry. Ensure no rain or condensation occurs during application.
- With the F2 Preparation Fluid, wet the first F2 cloth and thoroughly wipe all metal to lift any remaining oils/contaminants.
- Immediately wipe dry with the second clean F2 cloth until the surface is squeaky-clean.
- After cleaning, do not touch the metal with bare hands (skin oils will contaminate the surface). Keep the surface grease-free until priming.

Application

Mixing Ratio

BASE 150:100 HARDENER by weight

Stir the Base, add Activator and mix well. Allow mixed product to rest for several minutes before use to allow air bubbles to escape.

Pot Life

30 minutes (at 20°C)

Thinner

Do not dilute

Application Method

Brush or roller (felt or foam roller)

Application Conditions

Air temperature must be above 5°C during application and curing. Surface temperature must be at least 3°C above the dew point. Relative humidity should be below 90% to prevent condensation during application and drying.



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Super Bond Resin Primer

Application Notes

- Brush apply one single coat to all propeller/running-gear surfaces, using a laying off technique.
- Target 100 µm wet film. Do not over-apply; excess material may run/sag.
- After application, allow to cure usually 3 hours at 20°C (until touch-dry) before overcoating with F2 OptiProp Tie Coat.

Disposal

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

Drying & Overcoating

Drying Time

For a 100-micron dry film thickness under standard conditions

Surface Temperature	10°C	20°C
Touch Dry	4 hours	3 hours
Minimum Overcoating Interval	6 hours	4 hours
Maximum Overcoating Interval	24 hours	24 hours
Full Chemical Cure		3 days

Storage

Storage Conditions

Store cool and dry (5–10°C).
Stir thoroughly before use.

Shelf Life

Unopened containers: 12 months.

The information given in this sheet is not intended to be exhaustive and any person using the product other than that specifically recommended in this sheet does so at their own risk. Any warranty, if given, is contained within Ocean Coatings Ltd Terms and Conditions of sale. Whilst we endeavour all advice given about the product is correct we have no control over either the quality or condition of the substrate or other factors affecting the use of the product. Therefore we do not accept any liability whatsoever or however arising for the performance of the product or for any loss or damage arising out of use of the product.

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OptiProp Tie Coat

Product Features

Description

F2 OptiProp Tie Coat is a pigmented, ready-to-use intermediate tie-coat for the F2 OptiProp Advanced Fouling Release system, applied over F2 Super Bond Resin Primer and beneath F2 OptiProp Top Coat. It promotes intercoat adhesion and adds a durable protective layer within the system.

Powered by Zeronic™ technology at the system level, OptiProp delivers an ultra-smooth, low-adhesion surface that makes fouling easier to remove—reducing cleaning time and maintenance costs.

Recommended Use

Use as the intermediate layer on propellers and underwater running gear for both new build and maintenance & repair projects. Apply after F2 Super Bond Resin Primer and before F2 OptiProp Top Coat, following proper surface preparation.

Environmental Profile

Formulated for minimal environmental impact when used as directed: biocide-free, solvent-free, and free from heavy metals and other toxic additives. Suitable for use in jurisdictions or facilities where conventional biocidal antifouling coatings are restricted or not permitted.

Composition

Flowable single-component hybrid polymer coating

Product Safety

Flash Point approx. 400°C

Viscosity < 100 Ps at 20°C

VOC-Content < 0,3 g/L (EPA-Method 24)

Safety Precautions

Application should be carried out in accordance with the instructions on this data sheet, the safety data sheet, and the container labels. National occupational health and safety regulations must be observed.

Product Data

Color

Solid black

Finish

High gloss

Solid Volume

99,8 %

Recommended Layer Thickness

100 microns (wet and dry)

Theoretical Coverage

2.5 sq metres per 3 x 250 ml kit

Density

0.96 g/cm³

Available Packaging

3x 250ml Kit
(other sizes upon request)



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F2 OptiProp Tie Coat

FOULING FREEDOM

Surface Preparation

Surface Cleaning

The surfaces to be coated must be clean, dry, and free of oil, grease, and dust.

Pre-coating

Surfaces must be pre-treated with F2 Super Bond Resin Primer. F2 Super Bond Resin Primer has a maximum overcoating time of 24 hours. After 24 hours, key and degrease surface again.

Application

Thinner

Do not dilute

Application Method

Brush or roller (felt or foam roller)

Application Conditions

Air temperature must be above 5°C during application and curing. Surface temperature must be at least 3°C above the dew point. Relative humidity should be below 90% to prevent condensation during application and drying.

Application Notes

- Material is ready to use. Stir thoroughly before use.
- Apply one layer of F2 OptiProp Tie Coat with a brush using a laying off technique.
- Allow to cure usually 4 hours at 20°C.

Disposal

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

Drying & Overcoating

Drying Time

For a 100-micron dry film thickness under standard conditions





OptiProp Tie Coat

Surface Temperature	10°C	20°C
Touch Dry	4 hours	3 hours
Minimum Overcoating Interval	6 hours	4 hours
Maximum Overcoating Interval	None	None
Full Chemical Cure		3 days

Compatibility

F2 OptiProp Tie Coat can only be overcoated with itself or F2 OptiProp Top Coat, and not with other products.

Removal

F2 OptiProp Tie Coat forms a robust and durable surface as a base for the application of the F2 OptiProp Top Coat. If the F2 OptiProp Top Coat or Tie Coat needs to be removed, for example, for hull maintenance, this can be done with the F2 Remover – please contact the technical department for more information.

Storage

Storage Conditions

Store cool and dry (5–10°C).
Stir thoroughly before use.

Shelf Life

Unopened containers: 12 months.

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OptiProp Top Coat

Product Features

Description

F2 OptiProp Top Coat is a pigmented, ready-to-use foul-release finish coat for the F2 OptiProp Advanced Fouling Release system, applied over the F2 OptiProp Tie Coat. Delivered in a convenient kit format, it is biocide-free and contains no solvents, heavy metals, or other toxic chemicals.

Powered by Zeronic™ technology at the system level, OptiProp delivers an ultra-smooth, low-adhesion surface that makes fouling easier to remove—reducing cleaning time and maintenance costs.

Recommended Use

For propellers and underwater running gear on sail and power vessels at new build or during maintenance & repair. Use as the finish coat within the F2 OptiProp system after proper surface preparation and application of F2 OptiProp Tie Coat.

Environmental Profile

Formulated for minimal environmental impact when used as directed: biocide-free, solvent-free, and free from heavy metals and toxic additives. Suitable for use in areas where conventional biocidal antifouling is restricted or not permitted.

Composition

Flowable single-component hybrid polymer coating

Product Safety

Flash point approx. 400°C

Viscosity < 100 Ps at 20°C

VOC content < 0.3 g/L (EPA Method 24)

Safety Precautions

Application should follow the instructions in this datasheet, the safety data sheet, and container instructions. National occupational health and safety regulations must be observed.

Product Data

Color

Bronze

Finish

High gloss

Solid Volume

99,8 %

Recommended Layer Thickness

100 microns (wet and dry)

Theoretical Coverage

2.5 sq metres per 3 x 250 ml kit

Density

0.96 g/cm³

Available Packaging

3x 250ml Kit
(other sizes upon request)



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The logo features a blue circle containing the text 'F2' in a large, bold, sans-serif font. Below 'F2' is the tagline 'FOULING FREEDOM' in a smaller, all-caps, sans-serif font. To the right of the circle, the product name 'OptiProp Top Coat' is written in a large, bold, blue sans-serif font.

F2 OptiProp Top Coat

Surface Preparation

Surface Cleaning

The surface to be coated must be sound and free of grease, dust, laitance, dirt and other barrier materials.

Pre-coating

Surfaces must be pre-treated with F2 OptiProp Tie Coat. F2 OptiProp Tie Coat has no maximum overcoating time.

Application

Thinner

Do not dilute

Application Method

Brush or roller (felt or foam roller)

Application Conditions

Air temperature must be above 5°C during application and curing. Surface temperature must be at least 3°C above the dew point. Relative humidity should be below 90% to prevent condensation during application and drying.

Application Notes

- Material is ready to use. Stir thoroughly before use.
- Apply one layer of F2 OptiProp Top Coat with a brush using a laying off technique.
- Allow to cure usually 4 hours at 20°C.
- Wait 24 hours before returning the vessel to water.
- **Full cure: 3 days. Do not operate propellers during this period**

Disposal

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

Drying & Overcoating

Drying Time

For a 100-micron dry film thickness under standard conditions





OptiProp Top Coat

Surface Temperature	10°C	20°C
Touch Dry	4 hours	3 hours
Minimum Overcoating Interval	6 hours	4 hours
Maximum Overcoating Interval	None	None
Full Chemical Cure		3 days

Compatibility

F2 OptiProp Top Coat can only be overcoated with itself and not with other products.

Removal

F2 OptiProp Top Coat bonds to F2 OptiProp Tie Coat with excellent adhesion. Should the F2 OptiProp Top Coat or F2 OptiProp Tie Coat be required to be removed, for example for hull maintenance purposes, it can be removed using F2 Remover - contact Ocean Coatings for advice.

Storage

Storage Conditions

Store cool and dry (5-10°C).
Stir thoroughly before use.

Shelf Life

Unopened containers: 12 months.

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