



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





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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.

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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