OptiProp Intermediate Tie Coat

Product Features

Description
F2 OptiProp Intermediate Tie Coat is the pigmented, ready-to-use intermediate layer of the F2 OptiProp Fouling Release System. It is applied over F2 OptiProp Super Bond Primer and beneath F2 OptiProp Top Coat. It promotes adhesion between the layers and forms a robust protective layer within the system. It is supplied in a kit.

Recommended Use
As the intermediate layer on propellers and underwater running gear, at new build and during maintenance and repair. Apply after F2 OptiProp Super Bond Primer and before F2 OptiProp Top Coat, following careful surface preparation.

- Contains no biocides.
- Suitable for new builds as well as maintenance and repairs.

Limits of Use
For propellers and underwater running gear only. Not a barrier coat and no protection against corrosion.

Product Safety

Flash Point approx. 400 °C
Viscosity < 100 P at 20 °C
VOC Content < 0.3 g/L (EPA Method 24)

Safety Precautions
Use the product in accordance with this datasheet, the safety data sheet and the information on the label. Wear protective gloves and safety glasses. National occupational health and safety regulations must be observed. Safety data sheet: f2eco.eu/downloads

Product Data

Colour
Black

Finish
High gloss

Composition
Flowable single-component hybrid polymer coating

Volume Solids
99.8 %

Reference Film Thickness
100 microns (wet and dry)

Specific Gravity
0.97 kg/L

Pack Sizes
Kit, see f2eco.eu

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Surface Preparation

Cleanliness
Surfaces to be coated must be clean, dry and free of oil, grease and dust.

Pre-coating
The surface must first have been coated with F2 OptiProp Super Bond Primer. The primer is always abraded before the Intermediate Tie Coat, then cleaned and dried.

Application

Thinner	Do not dilute
Application Method	Brush or roller (felt or foam roller)

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 Notes

- The material is supplied ready to use. Stir thoroughly before use.
- Apply one coat of F2 OptiProp Intermediate Tie Coat with a brush and lay off evenly.
- Allow to dry for about 4 hours at 20 °C until the coat can be overcoated. Only then apply F2 OptiProp Top Coat.

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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
Overcoatable until	no maximum
Full cure	3 days

Guide values for a film thickness of 100 microns.

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

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).