

SHIELD UNDERWATER PRIMER

Product description

SHIELD Underwater Primer is a specially formulated primer for use below the waterline under CU-PRO Premium Antifouling.

Scope

The Application Guide offers product details and recommended practices for the use of this product.

The Application Guide (AG) must be read in conjunction with the relevant specification, Technical Data Sheet (TDS) and Safety Data Sheet (SDS) for all the products used as part of the coating system.

Directions for use

Consult technical data and safety sheets before use. For best results the surface should be clean, dry and free from any contamination. Degrease and rinse with high pressure water. Hard antifouling or antifouling in poor condition should be removed using Strippit Antifouling Remover and wet sanded down to a sound surface. A coat of SHIELD Underwater Primer should then be applied.

Masking-off

Before you start painting, apply a good quality masking tape (we recommend ProDec Low Tack Precision Edge Masking Tape) along the waterline but also around any anodes and fittings to protect them.

Storage

Keep the tins in a dry, cool, well-ventilated space and away from sources of heat and ignition. Keep the tins tightly closed. Handle with care. Unopened tins have a shelf-life of 48 months when stored in cool conditions.

Painting equipment

SHIELD Underwater Primer can be applied by brush, solvent resistant roller or spray (airless, pressure pot or HVLP only). In all cases, care must be taken to achieve a minimum dry film thickness (DFT) of 40µ, which is equivalent to a spreading rate of 10m² per litre of paint used.

Product Thinning/Stirring

SHIELD Underwater Primer is a single-pack product. It does not require thinning as a matter of course but it may be thinned up to 10% on a hot or windy day to compensate for solvent evaporation.

Use CU-PRO Thinners for thinning purposes, to clean equipment and to remove splash spots.

Stir well before use.

Film Thickness

Typical recommended range:

Dry film thickness	40 - 60 μ
Wet film thickness	105 - 158 μ
Theoretical spreading rate	6.5 - 10 m ² /litre (approx)

General application advice

Do not apply in the late afternoon when there is a possibility of dew falling on the surface.

Do not apply if the coating is likely to be exposed to rain within three hours of application.

Do not apply if the air temperature is below 10° C.

Do not apply if the substrate temperature is less than 5° C above the dew point

Do not apply if the substrate is wet or likely to become wet.

Do not apply in very windy conditions.

Drying/curing times (approximate)

Substrate temperature	23 °C
Surface (touch) dry	30 min
Dry to overcoat	8 hours

Notes

Low temperature and high humidity will adversely affect application, drying and performance of any coating

Colour variation

There may be the slightest of colour variation between production batches. These would all be within acceptable manufacturing tolerances but it is advisable to mix antifouling with different batch numbers before use.

Health, safety and the environment

The precautionary notices displayed on the back of the SHIELD Underwater Primer tin must be observed and complied with at all times.

Accuracy of information

These application guidelines are given to assist in the smooth and safe use of the product and to help ensure that the applicator enjoys its optimum performance. These guidelines are based on SML Paints and Coatings' current knowledge of the product.

Reference to related documents

Before starting to apply SHIELD Underwater Primer, you must read this Application Guide in conjunction with the information given in the related Technical Data Sheets and Safety Data Sheets. If any part of any of these supporting, informative documents is not clear, please contact SML Paints and Coatings.

Disclaimer

The information in this Application Guide is based on SML Paints and Coatings' current knowledge of the product but SHIELD Underwater Primer may be applied and used under conditions outside of our understanding, recommendation or control so all that SML Paints and Coatings can guarantee is the quality of the product itself.