Veridian Top Coat - White/Colours

Antifouling

Biocide-Free Foul Release Coating

PRODUCT DESCRIPTION

Veridian represents a breakthrough in coatings technology, providing a two part (Tie Coat and Top Coat) biocide-free fouling release system.
* Two-pack, ultra-low surface energy Top Coat
* High gloss finish by brush or roller
* Contains no biocide; may be used in areas where biocide use is forbidden
* Foul release coating that is easy to clean and increases boat speed and lowers fuel consumption
* Easy clean coating for outdrives and outboards
* Self cleaning coating on propellers (if used frequently)

PRODUCT INFORMATION

Colour	YMA160-White, YMA161-Blue, YMA165-Fluorescent orange . Veridian for Outdrives and Outboards available in white and clear Top Coat only, giving white, clear and grey scheme options. See separate datasheet for details of Clear Top Coat. Please check availability of full colour range. Not all colours are available in every country.
Finish	Gloss
Specific Gravity	1.0
Volume Solids	75%
Mix Ratio	3:1 by volume , Converter/Curing Agent - YMA168
Typical Shelf Life	2 yrs
Unit Size	750 ml (White & Grey scheme kits only). Pack consists of 3 x 375 ml cans joined together. 250 ml Tie Coat, 375 ml Top Coat Base and 125 ml Top Coat Curing Agent. 2.2 Lt

DRYING/OVERCOATING INFORMATION

	Drying			
	5ºC	15ºC	23ºC	35ºC
Touch Dry [ISO]	8hrs	4hrs	2hrs	1.5hrs
Immersion	4days	2days	1days	1days
Pot Life	4hrs	4hrs	4hrs	4hrs

Note: Pot Life: May be extended to 24 hours, for pad areas, if thinned 10% with Thinners No.3. Drying times at 10°C: Pot Life 4hrs, Touch Dry 5hrs and Immersion 3 days minimum. Max. Immersion Times are as follows: 5-35°C/40-95°F - 3 mths

	Overcoating Substrate Temperature							
	5ºC		15ºC		23ºC		35ºC	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Veridian	7hrs	3days	5hrs	3days	4hrs	3days	2hrs	3days

Note: Overcoating time at 10°C: Min. 6hrs and Max. 3 days. Full adhesion of the first coat to the Veridian Tie Coat will not be achieved after these intervals. Care should be taken when applying the second coat of Veridian to prevent damage to the first coat.

APPLICATION AND USE

Preparation

Must be applied over Veridian Tie Coat only. Follow overcoating times specified.
DAMAGED VERIDIAN SCHEME::
Small scratches or imperfections: Tie Coat is not required for small scratches where the old Tie Coat is intact. Wipe the surface with Thinners No. 3, allow to dry and immediately apply Veridian Top Coat.
Larger areas of damage:: Abrade the exposed Tie Coat with 80 grade paper and wipe clean with Thinners No. 3 prior to applying Tie Coat and Top Coat.
Damage down to bare metal or wood:: Reapply the full scheme, as per the procedure specified for the particular substrate.
Removal of the Veridian scheme from metal surfaces can be achieved by using standard DIY paint strippers (propellers only).: This type of paint stripper is not suitable for use on fiberglass.

Method

Total film thickness of the white or blue Top Coat is achieved in two coats, each of the minimum

125 microns WFT quoted. For a fluorescent orange scheme, first apply a coat of white Top Coat to ensure opacity. Total film thickness of the Top Coat is the most important factor in the success of the Veridian system. Apply the first coat to full opacity, i.e. until you cannot see through the coating. This must be a minimum of 125 microns (5 mils) WFT per coat. Note that this is quite a high film build and that the product will spread thinner than the wet film thickness quoted. The product may therefore need to be applied in a multi-layer wet on wet manner to achieve this thickness. This application will provide the best link between Tie Coat and Top Coat and will optimise performance. The second coat should be applied in the same way as the first, ensuring a wet film thickness of 125 microns (5 mils) minimum is achieved. Do not save activated Top Coat for application of the second coat.

Hints

Mixing Stir contents of each part prior to mixing. Add Curing Agent to the Base, stir and leave for 10 minutes to allow bubbles to disperse.
Thinner YTA910,YTA085 Thinners No.3 Thinner 910
Roller High density foam roller is recommended for best application. If a mohair roller is used, the coating should be laid off with a brush, using vertical strokes. This will optimise the flow of the coating, and prevent sagging and orange peel.
Other For HVLP spray application: Reduce viscosity to 30 seconds, BS4 flow cup with Thinner 910. Pressure: Wall - 80 psi; Cup - 8 psi; Tip - 5 psi. Tip Size: 1.0 mm. If spray application is to be used, ensure the boat is tented to prevent contaminating other paint applications with silicone. 250 microns (10 mils) wet is ESSENTIAL for performance. Take care to apply all the paint calculated even if it means applying an extra coat. Use paint calculator on the boater's guide for the number of tins required for your hull shape. The coating will not act as an antifouling as it does not contain biocides. The coating will allow easy cleaning of the hull with a cloth or sponge. The hull should be cleaned at least once a month; more often in high fouling areas. Lightly wiping over the surface with a sponge or a soft cloth is all that is needed to dislodge even the most stubborn fouling. Abrasives, chemical cleaners and high-pressure water washers are not recommended as they will damage the surface of the coating. Propellers coated with Veridian will self-clean if they are used frequently and hence heavy fouling is not allowed to accumulate. Static items (e.g outdrive coatings) can be quickly and easily cleaned by lightly wiping off any fouling with a soft cloth at regular intervals.

Some Important Points

Do not use in high wind. The coating will not act as an antifouling as it does not contain biocides. Do not abrade or use abrasive cleaners as the coating is easily damaged. Do not use high pressure water wash. Do not immerse before the stated minimum times or the adhesion of the system will be very poor and the system will damage easily. Veridian must be cleaned on a regular basis to maintain the surface free from fouling. In particular, ensure shell fouling is removed at an early stage, when it will be only very weakly attached to the surface and will be easy to remove. Some discolouration of the finish coat is expected if shell fouling is left on the surface. Product temperature should be minimum 5°C/40°F and maximum 35°C/95°F. Ambient temperature should be minimum 5°C/40°F and maximum 35°C/95°F. Substrate temperature should be minimum 5°C/40°F and maximum 35°C/95°F.

Compatibility/Substrates

Must be applied over itself or Veridian Tie Coat only. The Veridian Scheme is not suitable for use on bronze or mixed alloy propellers, or on stainless steel.

Number of Coats

2 for White/Colours

Coverage

(Theoretical) - 7.00 (m^2/lt)

Recommended DFT

Recommended WFT

125 microns wet minimum

Application Methods

Brush, HVLP Spray, Roller

TRANSPORTATION,STORAGE AND SAFETY INFORMATION

Storage

GENERAL INFORMATION:
Exposure to air and extremes of temperature should be avoided. For the full shelf life of Veridian to be realised ensure that between use the container is firmly closed and the temperature is between 5° C/40°F and 35°C/95°F. Keep out of direct sunlight.
TRANSPORTATION:
Veridian should be kept in securely closed containers during transport and storage.

Safety

GENERAL: Read the label safety section for Health and Safety Information, also available from our Technical Help Line.
DISPOSAL: Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal.
Remainders of Veridian cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.

IMPORTANT NOTES

The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further

written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal or injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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