

**Description**

One component quick drying vinyl based primer suitable for use directly on propellers, flaps and all metallic surfaces (steel, bronze, aluminium and light alloys) below the waterline as a tie coat before HI SPEED PLUS PROPELLER antifouling.

**Suggested uses**

As a tie coat before HI SPEED PLUS PROPELLER antifouling.

**Product details**

**Available shades:** Light blue  
**Specific gravity:** 1,20 ± 0,05 g/ml  
**Sheen level @ GU 60°:** Flat  
**Thinning range:** 0-5% Thinner 800  
**Typical thickness:** 40 µm DFT / 95 µm WFT  
**Pot life (20°C):** N/A  
**Shelf life (20°C):** 24 months (in airtight sealed containers)  
**Theoretical spreading rate (40 µm DFT):** 10,5 m<sup>2</sup>/L  
**Volume solids:** 42%  
**VOC (as supplied) according to ISO 11890-2:2013:** 590 g/L  
**Packaging:** 0,5 L

**Overcoating / Drying**

Overcoated with	Surface Temperature							
	5°C		15°C		20°C		35°C	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
METALPRIME	4 h	-	3 h	-	2 h	-	2 h	-
HI SPEED PLUS PROPELLER A/F	4 h	-	3 h	-	2 h	-	2 h	-

Touch dry @ 20°C ISO 1517 - 1973	Through dry @ 20°C ISO 9117-1990
20 min	3 h

min=minutes / h=hours / d=days

**Surface preparation**

**Carbon steel:** Remove oil & grease (if any) with a suitable alkali detergent. Remove salt deposits, dust and/or other impurities by fresh water cleaning. Sand blast the surface to an Sa 2, preferably Sa 2 ½, degree of cleanliness according to ISO 8501 -1. In case of Water-jetting, the substrate to be painted should have a cleanliness degree of minimum Wa 2 (ISO 8501-4). A maximum Flash rust M, preferably L, will be acceptable according to ISO 8501-4. Mechanical treatment should be used only for small repairs with a minimum achieved St2 degree, preferably St3 (ISO 8501-1). The final surface profile should correspond to ISO 8503 Comparator Medium (G) or Rugotest No.3, BN10.

**Stainless steel/Aluminium:** Remove oil & grease (if any) with a suitable alkali detergent. Remove salt deposits, dust and/or other impurities by fresh water cleaning. Grit blast the surface with non-metallic abrasive types (ISO 11126) to a rough profile (approx. 50-75 µm).

**Application guidelines**

**Temperature:** The temperature of the surface to be coated should be at least 3°C above the dew point. Good painting practice must always be followed.

Minimum application temperature is 5°C. Maximum application temperature is 35°C (For temperatures over 35°C special measures should be taken). Do not apply at a relative humidity (RH) exceeding 85%. Pls. consult your VEMAR representative.

The temperature of the product in the can must be between +10°C- +35°C.

The ideal in-can & surface temperature, in order to obtain full product application characteristics, is +20°C.

**Mixing:** Mix thoroughly until a Homogenous mixture is achieved.

**Method:** Conventional spray / Brush / Roller / Airless spray. The applicator should choose the appropriate method taking into consideration the area to be covered the desired finish result, environmental issues, weather conditions, project’s schedule and available equipment. You may find below indicative adjustment according to the application method used. For more information on the appropriate equipment and guidance pls. contact your local VEMAR representative.

Method	Brush/Roller	Conventional/Air spray	Airless Spray
Thinning*	up to 5%	up to 5%	up to 5%
Tip orifice*	-	HVLP 1,8-2,0 mm	0,011''-0,015''
Pressure (@ tip)*	-	1,5-2,0 bar	150 bar
Pump ratio*	-	-	45:1

*\*The above information is indicative and may be used as guidance only. Actual values may differ according to actual prevailing conditions.*

**Recommended specification**

Pls. consult VEMAR's Technical guide or your local VEMAR representative.

**Indicative thickness / coat**

Application method	DFT* Range	WFT* Range
Conventional / Airless spray	40 µm	90 µm
Brush / Roller	30 µm	70 µm

\*DFT= Dry film thickness WFT= Wet film thickness

The above data indicates the range where the product has been tested thus will provide the application characteristics and the performance as described. Application in thickness outside the indicative range may result in early failure/degradation of the coating system.

**Tool cleaning**

After use, clean equipment thoroughly with Thinner 800.

**Storage**

Store in a cool and shaded area in temperatures +5°C up to +25°C. Storage in temperatures higher than indicated will reduce the shelf life of the product.

**Health, safety & protection**

Always use appropriate safety equipment for your face, eyes and skin. Make sure that the area where the product is being used is well ventilated. ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USE. Do not pour the containment or any remains in an aqueous environment or drainage. Do not dispose remains in municipal waste areas. Consult your local authorities for the disposal of any remains or empty cans.

**Disclaimer**

*The information, data, guidance and any recommendations provided herein are based on Vemar's know-how, laboratory testing and obtained experience and is correct to the best of our knowledge. Users should contact their closest Vemar representative in order to receive guidance according to their special application needs not referred in this document. The performance of the product under the actual conditions of any intended use where Vemar will not have access to the various conditions affecting the use and application of the product, is not guaranteed and must be determined by the user. This document may be altered any time in the context of Vemar's continuous improvement and development. The supplied products and all technical assistance will be under the General condition of sales & delivery. By using this product as recommended in this document it is stated that the manufacturer and or seller, and the buyer and or user waives all claims involving, any liability, included but not limited to negligence, injury or direct or consequential losses or damages.*