

Description

One component quick drying alkyd undercoat, reinforced with anticorrosion additives, suitable for one component topcoats. To be used above the waterline. Easy application and sanding. Applied by brush/roller.

Suggested Uses

As an undercoat for one component topcoats on various substrates such as polyester, steel and wood.
As an anticorrosive primer directly on steel surfaces.
As a topcoat for interior use when a flat finish is required

Product details

Available shades: Light Grey (Ral 7047)
Specific gravity: 1,48 + 0,05 g/ml
Sheen level @ GU 60°: Flat
Thinning range: 0-10% Thinner 860
Typical thickness: 90 µm DFT / 140 µm WFT
Pot life: N/A
Shelf life (20°C): 24 months (in airtight sealed containers)
Theoretical spreading rate (40µm DFT): 16 m²/L
Volume solids: 65%
VOC (as supplied) according to ISO 11890-2:2013: 420 g/L
Packaging: 0.75L

Overcoating / Drying

Overcoated with	Surface Temperature							
	5°C		15°C		20°C		35°C	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Vemalux Alkyd Undercoat	16 h	4 d	8 h	2 d	4 h	24 h	2 h	16 h
Vemalux Enamel Topcoat	32 h	4 d	16 h	2 d	8 h	24 h	4 h	16 h

If max time is exceeded, sand with P180-220

Touch dry @ 20°C ISO 1517 - 1973	Through dry @ 20°C ISO 9117-1990
1 h	4 h

h=hours / d=days

Surface preparation

Existing layer in good condition: Remove oil, grease (if any) with a suitable strong alkali detergent. Remove salt deposits, dust and/or other impurities by fresh water cleaning. Sand the surface to be coated with a grit size of 180-240 sandpaper to ensure adhesion. Remove the dust created by sanding.

GRP/Gelcoat: Remove oil, grease or mould release agent (if any) with a suitable alkali detergent. Remove salt deposits, dust and/or other impurities by fresh water cleaning. Sand the surface to be coated with a grit size of 180-200 (for GRP) or 280-320 (for Gelcoat) sandpaper to ensure adhesion. Remove the dust created by sanding. Make sure that the surface is completely dry prior to the application.

Carbon steel: Application of VEMASHIELD Primer is recommended

New Wood: Sand the surface to be coated with a grit size of 80-120 sandpaper to ensure adhesion. Remove the dust created by sanding. Make sure that the surface is dry prior to the application. Humidity must be less than 18% RH. Improved surface preparation will improve adhesion and consequently the expected lifetime of the paint system.

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 25%	-	-
Tip orifice*	-	-	-
Pressure (@ tip)*	-	-	-
Pump ratio*	-	-	-

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

Recommended specifications

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

Indicative thickness / coat

Application method	DFT* Range	WFT* Range
Brush / Roller	40-80 µm	60-120 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 or 860

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.