

Description

High gloss two component polyurethane topcoat. Offers excellent durability and color retention. Can be sprayed or applied by roller/brush and is easy to polish.

Suggested uses

- As a final glossy topcoat for exterior use above the waterline

Product details

Available shades: Coral White 1430, Pebble White 1431, Oyster White 1433, Sand White 1436, Salpa Yellow 3430, Snapper Orange 4430, Scorpion Red 4440, Navy Blue 5435, Discus Blue 5430, Tuna Blue 5440, Tetra Green 6430, Dorado Green 6440, Shark Grey 7435, Orca Black 2430

Specific gravity: 0.95-1.23 g/ml

Sheen level @ GU 60°: High Gloss

Mixing Ratio: 3:1 A:B (by Volume)

Thinning range: Conventional/Air spray 5-10% Thinner 800
Brush/Roller 10% Thinner 805

Typical thickness: 30-50 µm DFT / 60-80 µm WFT

Shelf life (20°C): 2 years

Theoretical spreading rate (40 µm DFT): 9-12 m²/L

Volume solids: 45-58%

VOC (as supplied) according to ISO 11890-2:2013: 480-560 g/L

Packaging: Part A: 525ml
Part B: 175ml

Overcoating / Drying

Overcoated with	Surface Temperature							
	5°C		15°C		20°C		35°C	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SAPPHIRE PU Topcoat	10 h	24 h	8 h	18 h	6 h	16 h	5 h	12 h
Touch dry @ 20°C ISO 1517 - 1973	Through dry @ 20°C ISO 9117-1990		Fully cured @ 20°C					
1 h	12 h		48 h					

min=minutes / 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.

Substrate*	Primer
GRP	ROBUSTO PU Undercoat
Carbon steel	VEMASHIELD Primer then ROBUSTO PU Undercoat
Aluminium	ROBUSTO PU Undercoat
Wood	ROBUSTO PU Undercoat
Previous painted surfaces:	ROBUSTO PU Undercoat

** For substrates surface preparation pls. consult relevant product's data sheet*

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 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 10%	5-10% Thinner 800	up to 10%
Tip orifice*	-	HVLP 1,3 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	40-50 µm	60-80 µm
Brush / Roller	30-40 µm	50-70 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 or 805.

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.