



YachtCoatings
SMALTO POLIURETANICO
TECHNICAL DATA SHEET

Product description

Extra polyurethane topcoat to be used externally and internally, in engine rooms, peaks etc. The particular formulation prevents this product from yellowing over time. It is suitable as a finishing coat in an epoxy system or modified when a protective coating against weather influences is requested.

Product information

Product code	953		
Finish	Glossy		
Colour	White .001		
Solids (by volume)	ASTM D2369		50 ± 2%
Specific gravity	UNI EN ISO 2811-1		1,20 ÷ 1,30 g/cm ³
Flash point	UNI EN ISO 13736		28 °C
VOC (calculated average content)	ISO 11890-2/2006		440 g/l
Packaging	20 Lt (base 16 Lt + cat. 4 Lt)		

Application and use

SURFACE PREPARATION

Pressure wash with fresh water and remove any trace of oil and grease. All surfaces to be painted must be clean, dry and with no contaminants. Apply on suitable primers. Sandpaper with 320/400 paper and suction to remove sanding waste and any other dust or dirt. Then, blow with clean and dry air. Finally, proceed with the application of SMALTO POLIURETANICO (polyurethane topcoat).



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Application data

Mixing ratio by volume		4:1
Mixing ratio by weight		
Base (comp. A) 953.--- Hardener (comp. B) 953.000C		83 w/w 17 w/w
Pot-life NB: do not use this product when Pot-life time is exceeded		4 h a 20 °C
Thinner/Tool cleaning NB: the indicated dilution % is considered on the catalyzed product		P6g6/P6g8 - Roll/Brush (5% max) P6g6/P6g8 - Conventional spray/Air mixed: (15% max)
Spray viscosity		15" - 20" DIN 4 a 20° C
Application methods		Conventional Pressure 3,5 bar Nozzle 1,4 mm N°2 wet on wet coverage = 50 µm dry
		Air mixed Nozzle 0,7 mm - 1 mm Pressure 3,5 bar N°2 wet on wet coverage = 50 µm dry
Dry film thickness per coat	Standard application range	40 - 60 µm
	Recommended	50 µm
Wet film thickness per coat	Standard application range	80 - 120 µm
	Recommended	100 µm
Theoretical coverage	50 µm	10 m ² /l

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Practical coverage [loss value 30%]	50 µm	7 m ² /l
Recommended primers	Delta 3000 - Defender - Boeroguard - Delta UC HB	
Notes	This product is provided in two tins to be mixed entirely and carefully before use. In case it is required, dilution has to be performed after the mixing of the two components. The physical data of two-component products refer to components that have been already mixed.	

Drying time

Temperature °C			10		15		20		30	
			Min	Max	Min	Max	Min	Max	Min	Max
Coverage	Epoxy products or polyesters				24 h	3 days	12 h	3 days	8 h	2 days
Sanding					48 h		24 h		12 h	
Full curing					7 days		7 days		7 days	

N.B. *The drying times and the overcoating intervals increase with higher thickness of the applied film. Always check that the existing painting film is perfectly dry before applying a further product coat. Drying times are referred to brush and roller application.*

CONDITIONS DURING APPLICATION

In order to avoid the formation of condensation, the surface temperature should be at least 3 °C above dew point. During application and curing, the min. ambient temperature must not be lower than 15°C or higher than 30 °C; substrate temperature must not be lower than 10 °C, since curing is remarkably reduced at lower temperatures.

Application is not advisable when relative humidity exceeds 80%. The term-hygrometric survey should be carried out near the surface to be coated. Make sure there is enough ventilation when the application takes place in closed areas.



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Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, it is worth checking that the container is well closed during the storage and the temperature is between 10 °C and 35 °C. Avoid exposure to direct sunlight.

Safety rules

Comply with the provisions set by the local health and safety at work regulations. Avoid contact with the skin, for example. Operate in well ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate protections (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS.

INSTRUCTIONS FOR THE DISPOSAL OF PRODUCTS AND PACKAGING

Empty packaging that contained products: Dispose of empty packaging according to the requirements of the waste disposal law, for example by taking them to the recycling center.

Packages containing the unused products: Dispose of the unused product in accordance with the law of disposal of such waste, for example by taking it to a recycling center, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses. Product packaging must be kept indoor, and the temperature in the storage place must be between 10 °C and 35 °C. Do not expose to sunlight.



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Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. All data refer to the mixed product. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The above information is the result of accurate laboratory tests and practical experience; however, since the product is predominantly used outside the manufacturer's control, Boero Bartolomeo S.p.A. can only guarantee its quality. The information contained in this sheet may be subject to revision by the Company. For clarification, updates or further information, it is recommended to contact Boero Bartolomeo S.p.A. directly. The present datasheet annuls and replaces every other precedent to this one.