



YachtCoatings

TECHNICAL DATA SHEET

673. CHALLENGER HI-SOLID






This is a high solid polyacrylic top coat. It creates a protection barrier on the yacht surface with a compact, no yellowing, elastic layer with an high resistance to marine atmospheric conditions. Thanks to this its formulation, the top coat can be polishable. The product is indicated for a spray application, and their exceptional technical characteristic define its good filling quality and its excellent uniform coverage capacity.

Packaging	0,79 U.S. gallons (3 Lt)
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PHISICAL ASPECTS at 68 F (20° C)

Aspect	Gloss
Color	Colour card and tin machine
Volume solid %	67 ± 2 %
Specific weight	69,3 ÷ 84,42 pound/feet ³ (1,1 ÷ 1,34 Kg/dm ³)
Flash point	73,4 – 131 F (23 – 55° C)
Viscosity	70" DIN 4 at 68 F (20° C)

APPLICATIONS DETAILS

Mixing ratio (by volume)		2:1 with 674.000
Pot life	2 h at 68 F (20° C)	
Thinner		15° C < Temp. < 18° C – 696.000 (max. 40 %) 18 °C < Temp. < 30° C – 698.000 (max. 40 %) 30 °C < Temp. < 35° C – 697.000 (max. 40%)
Spray Viscosity		15" – 20" DIN 4 at 68 F (20° C)
Applications		Conventional Pressure 50 psi (3,5 bar) Gun 0,05 inch (1,4 mm) N°2 coats wet on wet = 2 mils (50 µ) dry
		Mix Air Pressure 50 psi (3,5 bar) Gun 0,02 – 0,03 inch (0,7 – 1,1 mm) N°2 coats wet on wet = 2 mils (50 µ) dry
Dry film thickness	Standard range of application	1,6 – 2,4 mils (40 - 60 µm)
	Recommended	2 mils (50 µm)
Wet film thickness	Standard range of application	2,4 – 3,6 mils (60 - 90 µm)
	Recommended	3 mils (75 µm)
Theoretical coverage sq feet/gallon	Range of application at recommended thickness	545,96 (13,4 m ² /Liter)
Recommended Primers	Epopy – Challenger HS UC	
Notes	The product is provided in two tins to be mixed entirely and carefully before usage. The eventual dilution must be done after mixing the two components. The physical data of two-component products are related to the components after they have been mixed together.	




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SURFACE PREPARATION

	<p>Sand the cleaned and properly prepared surfaces with sanding paper P320-400 (dry sandpaper). Before painting make sure that all the surfaces to be treated are completely dry, cleaned, oil-free and without grease or other contaminant factors. Apply the top coat on compatible undercoats with appropriate and uniform colours.</p> <p>New Fiberglass: dewaxed/degreased with SIRIO before proceeding with the preparation and sanding.</p>
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DRYING TIME

Temperature F	50 (10°C)		59 (15°C)		68 (20°C)		86 (30°C)	
	Min	Max	Min	Max	Min	Max	Min	Max
Overcoating interval (wet on wet)			30'	120'	20'	90'	15'	60'
Sanding time			48 h		24 h		24 h	
Polishing time					24 h			
Fully cured			7 days		7 days		7 days	


CONDITIONS DURING THE APPLICATION

To avoid the formation of condensation, the temperature of the surface should be at least 37,4 F (3° C) above dew point. During the application and curing the min. ambient temperature must not be lower than 59 F (15° C) or higher than 86 F (30° C); substrate temperature must not be lower than 50 F (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.

SAFETY RULES

	<p>In order to protect personal health it is advisable to comply with the EU DPR 303 and 547 regulations. Avoid, for example any contact of the product with the skin and eyes. In case of contamination or with oral contact, immediately contact a doctor. Use in well ventilated areas, in enclosed areas use aspirators, fans and air ventilators. Wear masks, goggles, gloves while applying the product.</p>
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NOTES

	<p>The applied product must not come in contact with water, chemical products or submitted to mechanical stress before the curing is completed. The wet film thickness is referring to an undiluted product. In case of dilution, this value increases. The product has been tested and has passed the quality control (Q.C.) of supply. Colours produced at different times, even with modern technology, can have different tones while maintaining the values of ΔE that fall within acceptable limits. It is best to avoid applying different batches in the last coat of finish, taking care to apply the same batch of hand finishing for details such as doors, grills, etc.. that normally are processed in different times and places. Boero be deemed to hold harmless any responsibility for any problems related to the difference in color that you should rise. The above information is given to the best knowledge of Boero Bartolomeo Spa, based on laboratory tests and practical experience. However, as the product is often used under conditions beyond our control. Only the quality of the product can be guaranteed. Boero Bartolomeo Spa reserves the right to change the given data without notice. Further notes can be found in the "General recommendations" in the Supernavi paint website. For explanations, updates or further information we advise you to directly contact Boero Bartolomeo Spa The present datasheet annuls and replaces every other precedent to this one.</p>
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