



YachtCoatings
DELTA UC HB
TECHNICAL DATA SHEET

Product description

Two component high build epoxy undercoat designed for epoxy and polyurethane paint systems that thanks to their excellent protection, resistance and adherence properties can be applied in different ways on any kind of surface: both above and below the waterline when the watercraft is duly prepared.

Product information

Aspect	Matt		
Colour	Grey .051		
Solids (by volume)	ASTM D2369		50 ± 2%
Specific gravity	UNI EN ISO 2811-1		1,38 ± 2 g/cm ³
Flash point	UNI EN ISO 13736		29 °C
VOC (calculated average content)	ISO 11890-2/2006		400 g/l
Packaging	0,75 – 2,5 – 10 Lt (base 8 Lt + cat. 2 Lt)		

Application and use

SURFACE PREPARATION

Pressure wash with fresh water to remove any trace of oil and grease. All surfaces to be painted must be clean, dry and with no contaminants.

Filler coverage: suction to remove all sanding residual and any trace of dust and dirt. Then, blow with clean and dry air.

Fiberglass: Degrease the surface to be treated with a suitable detergent or solvent. Pressure wash with fresh water to remove any trace of oil and grease. All surfaces to be painted must be clean, dry and with no contaminants. Sandpaper with n. P180 – P220 abrasive paper and apply the primer onto the treated surface. Before applying DELTA UC HB, blow with clean and dry air in order to remove and sanding or dirt residual.









Rev. February 2020

1



YachtCoatings
DELTA UC HB
TECHNICAL DATA SHEET

Application data




Mixing ratio by volume		4:1
Mixing ratio by weight Base (comp. A) 636.051 Hardener (comp. B) 651.000C		86 w/w 14 w/w
Pot-life NB: do not use this product when Pot-life time is exceeded		8 h at 20 °C
Thinner/Tool cleaning NB: the indicated dilution % is considered on the catalyzed product		693 - Roller/Brush (15% max) 693 - Conventional spray/Airless: (15% max)
Application methods		Airless Pressure 150 bar Nozzle 0,3 – 0,6 mm Angular range 65° - 80°
		Conventional Pressure 3,5 bar Nozzle 1,7 – 1,9 mm
	 	
Dry film thickness per coat	Application standard range	100 – 200 µm
	Recommended	150 µm
Wet film thickness per coat	Application standard range	200 – 400 µm
	Recommended	300 µm
Theoretical coverage	150 µm	3.3 m ² /l
Practical coverage [loss value 30%]	150 µm	2.3 m ² /l
Recommended primers	Delta 3000	



YachtCoatings
DELTA UC HB
TECHNICAL DATA SHEET

Notes This product is provided in two cans that have to be accurately and completely mixed together before use. Dilution, if required, can be carried out after mixing the two components. Physical data of two component products refer to components that have been already mixed together.

Drying time

Temperature °C			10		15		20		30	
			Min	Max	Min	Max	Min	Max	Min	Max
Overcoating Interval	Epoxy or polyester products		24 h	4 days	24 h	4 days	18 h	3 days	8 h	2 days
	AF		18 h	36 h	18 h	36 h	12 h	24 h	6 h	12 h
Sanding			48 h		36 h		24 h		18 h	
Full curing			10 days		7 days		7 days		5 days	

N.B. The drying times and the overcoating intervals increase with higher thickness of the applied film. Always check the existing painting film is perfectly dry before applying a further product coat.

CONDITIONS DURING APPLICATION

In order to avoid the formation of condensation, the temperature of the surface should be at least 3° C. above dew point. During the application and curing, the min. ambient temperature must not be lower than 10° C or higher than 30° C, substrate temperature must not be lower than 5° C, since curing is remarkably reduced at lower temperatures.

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



YachtCoatings
DELTA UC HB
TECHNICAL DATA SHEET

Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximise the shelf life in the can, it is worth checking that the container is well closed during the storage and that 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 the 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 section 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 waste disposal law, for example by taking them to the recycling centre.

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

Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The wet film thickness refer to the non-diluted product. With dilution, this value will rise. The above information is the result of accurate laboratory tests and practical experiences; 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 for further information, it is recommended to contact Boero Bartolomeo S.p.A directly. The present datasheet annuls and replaces every other to this one.