

# VB-SHINE AQUA

## TECHNICAL DATA SHEET

### Product description

Two-component, water-based, transparent, glossy and non-yellowing polyurethane varnish. Excellent levelling, resistance to abrasion and chemical agents. Ready to use and easy to apply. Equipped with high resistance to the marine environment, it is particularly suitable for the treatment of internal and external wooden surfaces. Not suitable for substrates subject to continuous immersion. Also excellent for wooden floors and piles.

### Product information

Product code	W6324	
Finish	Glossy	
Colour	Colourless .000	
Solids (by volume)	ASTM D2369	44 ± 2%
Specific gravity	UNI EN ISO 2811-1	1,05 ± 0,05 g/cm <sup>3</sup>
Flash point	UNI EN ISO 13736	N.A.
VOC (calculated average content)	ISO 11890-2/2006	40 g/l
Packaging	1 Lt	

### Application and use

#### **SURFACE PREPARATION**

New or renewed wood: The humidity of the wood must not exceed 18%, sand the surface thoroughly with paper n. P120 - P180. Before proceeding with the application of the products provided, blow with clean and dry air to remove any residual sanding and dirt. Prime with a coat of S-PROTECT AQUA then apply the first coats of VB-SHINE AQUA diluted at 15 - 20%. proceed with the following coats (3 - 5 coats) as it is.



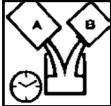




Already painted wood: sand to eliminate traces of paint during stripping or to level the surface; apply 2 - 4 coats of VB-SHINE AQUA as it is.

N.B. Between coats, sand with fine Scotch Brite (gray)

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### Application data

Mixing ratio by volume		5:1
Mixing ratio by weight		
Base (comp. A) 6324.000 Catalyst (comp. B) 6324.999		83 w/w 17 w/w
Pot-life NB: do not use the product when the Pot-life time is passed		1 h at 20 °C
Thinner/Cleaning tools		Water
Application methods		Conventional Pressure 2 – 3 bar Nozzle 1,3 mm
		
Dry film thickness per coat	Standard range application	30 – 35 µm
	Recommended	35 µm
Wet film thickness per coat	Standard range application	70 – 80 µm
	Recommended	80 µm
Theoretical coverage	35 µm	12 m <sup>2</sup> /l
Note	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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### Drying time

Temperature °C		15		20		30	
		Min	Max	Min	Max	Min	Max
Coverage wet on wet		16 h	36 h	12 h	36 h	8 h	24 h
Sanding		16 h	36 h	12 h	36 h	8 h	24 h
Fully cured		4 days		3 days		2 days	

### 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 15 °C or higher than 30 °C; the min support temperature must not be lower than 10°C, because the crosslinking is significantly slowed at temperatures below. Application is not advisable when relative humidity exceeds 75%. 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.

### Storage

It is recommended to avoid exposure to air and extreme temperatures. Store the product in a cool place and protect it from frost. To maximize the shelf life in the can, it is good to check that the container is well closed during the storage and the temperature is between 5 °C and 35 °C. Avoid exposure to direct sunlight.

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### Safety rule

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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.

### Notes

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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 refers to the undiluted product. In case of dilution, this value increases. 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 their 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.