VB-SHINE

TECHNICAL DATA SHEET

Product description

Two-component transparent paint based on polyurethane resins with excellent gloss retention. Equipped with exceptional technical characteristics such as elasticity and mechanical strength, it can be used both on wood and on other suitably prepared supports and in severe operating conditions. Thanks to its high abrasion resistance, it is recommended for application in highly stressed areas such as handrails and ringleaders.

Product information

Product code	W6321	
Finish	Glossy	
Colour	Colourless .000	
Solids (by volume)	ASTM D2369	45 ± 2 %
Specific gravity	UNI EN ISO 2811-1	1,04 – 1,1 g/cm^3
Flash point	UNI EN ISO 13736	30 °C
VOC (calculated average content)	ISO 11890-2/2006	480 g/l
Packaging	0,75 Lt	

Application and use

SURFACE PREPARATION

New wood or renewed: the support must be perfectly dry, the humidity of the wood must not be over 18%. All the surfaces to paint must be cleaned, dry and free from any trace of contaminants. Sand down with P80-P120 sanding paper. Before proceeding with the application of the provided products, blow using dry and clean air, in order to remove every trace of sanding and dirt. Apply the first coat of VB-SHINE diluted 10 - 15%. Proceed with the following coats (3-5 coats) as well as explained.

Painted wood : sand down in order to eliminate every varnish trace during the stripping vessel phase; apply the first coat of VB-SHINE, diluted 5% than proceed with the following coats (2-4 hands) as before.

N.B: Between the coats, use abrasive Scotch Brite fine (grey).

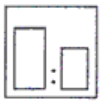
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Application data

Mixing ratio volume		2:1
Mixing ratio volume weight Base (comp. A) 6321.000 Catalyst (comp. B) 6321.999		66 w/w 34 w/w
Pot-life NB: do not use the product when the Pot-life time is passed		3 h at 20 °C
Thinner/Cleaning tools NB: the indicated dilution % is considered on the catalyzed product		**6780** - 10% for spray application **6700** - 5-10% brush/roller
Viscosity on spurt		15" – 20" DIN 4 at 20° C
Application method		Conventional Pressure 3,5 bar Nozzle 1,3 mm N°2 coats wet on wet = 50 µm dry
		

Dry film thickness	Standard range application	40 - 60 µm
	Recommended	50 µm
Wet film thickness	Standard range application	90 - 130 µm
	Recommended	110 µm
Theoretical coverage	50 µm	9 m²/litre
Practical coverage [with loss of 30%]	50 µm	6,3 m²/litre
Recommended primers	S-Protect, SB-Protect	

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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.

Drying time

Temperature °C		10		15		20		30	
		Min	Max	Min	Max	Min	Max	Min	Max
Coverage				8 h	3 days	6 h	2 days	6 h	2 days
Sanding				36 h		24 h		18 h	
Fully cured				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 that 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 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 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 good to check 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 rule

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. 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.

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