

BIOWOOD

700.647

Description

One component woodstain that penetrates wood, transforming the colour while protecting against the environment, fungi, mold and insects.

Use

Provides colour and protection on wood at interior and exterior surfaces. Suitable for all wood types.

Informations

Finish	Transparent. It brings out the wood grain	
Colours	.000 Colourless - .373 Mahogany - .375 Walnut - .376 Teak	
Pack	0,75 l	
Solids by Volume	15 ± 2%	ISO 3233-2
Specific Gravity	0,86 - 0,90 g/cm ³	ISO 2811-1
Flash Point	35 °C	ISO 3679
VOC	667 g/l	Calculated
Shelf Life	36 months	

Application

SURFACE PREPARATION

The humidity content in the wood must be below 18%. All surfaces must be perfectly clean, dry and free of oil, contaminants and old painting before application of recommended products. For external environments, apply a varnish afterwards.


NEW BUILD

Complete sanding with sandpaper grade P120 - P180. Remove all traces of dirty, oil, resin and old varnishes / paints. Take special care to remove any residual sand dust or dirt from the wood pores by using dry air or alcohol. 24 hours after the product application, lightly abrade with sandpaper grade P320-P400.

MAINTENANCE

Remove all trace of contamination, grease and oil by high pressure freshwater cleaning. Proceed with degreasing or solvent cleaning if necessary and repeat freshwater cleaning. All surfaces must be clean, dry and free of contaminants. Remove old dark watermarks with T-Bleaching or alternatively, hydrogen peroxide 80 volume. Remove all loose/poor adhered paint and varnishes by abrading with sandpaper grade P180 - P240. In case the wood pieces are glued, sand in both directions. Take special care to remove any residual sand dust or dirt from the wood pores by using dry air or alcohol. 24 hours after application the product application, lightly abrade with sandpaper grade P320-P400.

How to Apply

Standard		Brush and roller
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Film Thickness per Coat

DFT	Recommended: 5 µm Standard application range: 5 - 10 µm
WFT	Recommended: 30 µm Standard application range: 30 -70 µm

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Additional Application Information

Theoretical spreading rate	Application range at the recommended thickness: 5 µm – 30 m ² /l
Thinner	703 –Roller/Brush (20% max)

Application notes

Dilute the 1st coat of BIOWOOD between 15-20% to ensure a proper penetration of the product, especially for resinous woods, using a brush for application. Apply two more coats of non-diluted BIOWOOD to build up the desired protection. After 15-20 minutes from each application, wipe the surface with a soft, dry, fibre-free cloth, to achieve an esthetical result.

General notes

Given recoating times are indicative, as it can vary according to actual thickness applied, weather conditions, painting plan and project size.

Compatibility

Previous Coat

N.A.

Proceeding Coat

N.A.

Drying Time

	10 °C		15 °C		20 °C		30 °C	
	Min	Max	Min	Max	Min	Max	Min	Max
Wet on wet overcoating interval	24 h	N.A.	12 h	N.A.	8 h	N.A.	6 h	N.A.
Complete drying	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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

During application and curing:

Ambient temperature: minimum 10 °C, maximum 30 °C.

Minimum substrate temperature 5 °C (if during the curing the temperature drops below 5 °C, overcoating will take additional time).

Avoid the formation of condensation, the surface temperature should be at least 3 °C above dew point.

Maximum relative humidity 80%.

Painting area should be well ventilated during application and drying/curing.

Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, check that the container is closed during the storage and the temperature is between 5 °C and 35 °C.

Avoid exposure to direct sunlight.



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Safety Rules

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

INSTRUCTIONS FOR THE DISPOSAL OF THE BIOCIDAL PRODUCTS AND PACKAGING

Empty packaging containing biocidal products: disposal of empty packaging according to the requirements of the waste disposal law, for example by taking them to the recycling centre. Packages containing the unused biocidal product: Dispose of the product not used 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 watercourses.

INSTRUCTIONS FOR THE SAFETY SECURITY OF THE BIOCIDAL PRODUCTS AND PACKAGING

Empty containers and containers still containing the biocidal product: Packaging must be disposed of as hazardous waste under the full responsibility of the holder of such waste. Do not empty into drains or watercourses.

Disclaimer

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.