

# WOOD MAT H<sub>2</sub>O

## TECHNICAL DATA SHEET

### Product description

Bi-component, polyurethane topcoat. Wood mat H<sub>2</sub>O is based on water, satin- finish, transparent and non-yellowing. High resistance to marine environment. It is particularly suitable for the treatment of bulkheads, furniture and all internal wooden surfaces. Excellent expansion and abrasion resistance. Ready to use and easy to apply. Not suitable for substrates subject to continuous immersion. This product is excellent for wooden floors and pots.

### Product information

Finish	Matt	
Colour	Transparent	
Solids (by volume)	ASTM D2369	42 ± 2%
Specific gravity	UNI EN ISO 2811-1	1,04 ± 0,05 g/cm <sup>3</sup>
Flash Point	UNI EN ISO 13736	N.A.
VOC (calculated average content)	ISO 11890-2/2006	22 g/l
Packaging	1 Lt	

### Application and use

#### **SURFACE PREPARATION**

**New wood or renewed:** The support must be dry and the moisture of the wood must not exceed 18%. All surfaces to be painted must be clean, dry and free of contaminants. Sand down with P80-P120 abrasive paper. Before proceeding with the application of the products, blow with clean and dry air, to remove any residue of sanding and dirt. Apply, as a primer, a coat of FIBRODUR, and after apply the first coats of WOOD MATT H<sub>2</sub>O. Proceed with the following coats (3-5 coats) in the same way.

**Wood already varnished:** sand to remove traces of varnish during stripping or to level the surface; apply the first coats of WOOD MATT H<sub>2</sub>O (2-4 coats) in the same way.








N.B. Between one coat and the following abrade with Scotch Brite fine (grey)

# WOOD MAT H<sub>2</sub>O

## TECHNICAL DATA SHEET

**High resistance cycle:** on new or bare wood apply two coats of Resina 2000, sand down between one coat and the other

### Application data

Mixing ratio by volume		4:1
Mixing ratio by weight		83 w/w 17 w/w
Base (comp. A) 6750.002 Hardener (comp. B) 6750.999		1 h at 20 °C
Pot-life NB: do not use the product once the Pot-Life time has passed		1 h at 20 °C
Thinner/Cleaning tools		WATER
Application method		Conventional Pressure 2 – 3 bar Nozzle 1,4 – 1,7 mm
		
Dry film thickness per coat	Standard application range	30 – 35 µm
	Recommended	35 µm
Wet film thickness per coat	Standard application range	70 – 85 µm
	Recommended	70 µm
Theoretical coverage	35 µm	12 m <sup>2</sup> /litre
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.	

# WOOD MAT H<sub>2</sub>O

## TECHNICAL DATA SHEET

### Drying time

Temperature °C		15		20		30	
		Min	Max	Min	Max	Min	Max
Wet on wet coverage		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
Full curing		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; substrate temperature must not be lower than 10 °C, since curing is remarkably reduced at lower temperatures. Application is not advisable when relative humidity exceeds 75%. The thermohygrometric 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. 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.

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## TECHNICAL DATA SHEET

### Safety rules

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Observe the provisions of DPR 303 and 547. 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 containing the product: 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 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 center, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses. The product packaging must not be exposed to the open air and must be stored at a temperature between 10 °C and 35 °C. Do not expose to the sun.

### 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 its 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.