

WOOD PRESERVATIVE SEALER

Product No. **WB 711**

[Impregnated for soft wood]

COMPOSITION AND APPLICATION FIELD

Water borne wood preservative sealer WB711 is developed as basecoat to protect wood from atmospheric agents, micro-organism and funga attack. The pigments are added for resistant to light, and prevent light timbers from turning to grey colours due to UV rays. The water-repellent and water-regulating treatment allow the wood to breath naturally. The smooth and satin surface does not pulverize, crack or defoil.

WB711 is suitable for all type of applications inside and outside timbers such as: [chalets, wood houses, matchboards, underroof coatings, window/door, frames, shutters, fences, gates etc.] made of coniferous timber or timber without tannins or inhibitors as these could compromise flow levelling, colour uniformity and damage the appearance of handicrafts.

WB711 sealer water base is produced in the colorless version and in a wide range of wood essence paints besides in the three basic colors: yellow, red and black which properly mixed among them and if reduced with the transparent converter, allow to obtain any color. This alternative allows to considerably reduce the paint storage supply, rendering wide the obtainable range of colors.

Particularly suitable timbers:

For wood – pine – swedish pine – yellow pine – hemlock – douglas fir – larch – canadian cedar – meranti- spruce (for meranti do a preliminary test to control the compatibility with the varnishing cycle used).

Unsuitable timbers:

Iroko – oak – cedrella – niangon – ash – teak – siberian larch
(to treat these timbers contact our Technical Service Department).

Available colors:

WB711 Douglas	WB711 Chestnut	WB711 Mahogany
WB711 Larch	WB711 Iroko	WB711 Mellow Walnut
WB711 Pine	WB711 Dark Walnut	WB711 Brown Walnut
WB711 Teak	WB711 Brennero Walnut	WB711 Ebony
WB711 Oak	WB711 white	WB711 Dark green
WB711 Blue	WB711 Red Light Green	

SPECIFICATIONS

This product is Catas Certified following the VOC content gas-chromatographic method UNI EN ISO 11890-2: 2007 it has a low VOC, less water and less exempt in the range of 1.5% (w/w).

Mechanical Characteristics

- Very Good Adherence
- Very Good Plasticity
- Good Covering
- Good Sanding

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

Date Revised: April 28, 2019

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Physical Properties

Color	: Transparent
Specific gravity/g/cm ³	: 1.01-1.1 [\pm 0.025] depending on color
Viscosity @25°C/Ford cup4/sec.	: 11 [\pm 1.1]
Weight Solids/%	: 11-22 [\pm 2] depending on color
Weight Solids blended	: N/A

Drying Interval@25 °C

Dust Free	: 30-45 min.
To Touch	: 1.30 hr.
To Sand	: 12 hrs.
Handling	: 24 hrs.

NB. These values undergo considerable changes according to environmental temperature. In winter time, the low leveling of the product applied is reduced, therefore we suggest varnishing in the first hours of the working cycle in order to guarantee a constant and an acceptable temperature during product drying.

PRODUCT PREPARATION

Dilution

For spray, brush or dipping, these products are sold as ready to use, and if necessary it may be dilute with water at no more than 5%.

SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. Surface must be dry, clean and free from contaminations. Natural oil or gum must be removed by solvent cleaning.

New timber: The timber must be free from dust, fat or wax, and the maximum humidity should be 25%. For application on normal timbers (coniferous, broad-leaf) it is enough to make sure that the handicraft to be varnished is clean. For timbers rich in resin, it is better to clean accurately with a cloth soaked in Nitro thinner. Use paper of at least 150 grain for sand.

Old timbers It is necessary to remove the old varnish by paint remover or by sanding whenever the substrate has cracks or RITVER outside damages; anyway we suggest a short superficial sanding with 150-180 grain paper.

Finish of unstable timbers (fences, matchboards): 1 or 2 coats of [WB711] WB – wood preservative Sealer, must be applied for outside according to the protection degree and the colour desired leaving 4-6 hrs, in between coats. Finish with a top coat wood preservative.

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Finish of stable timbers (door and window frames, gates): apply one coat of [WB711] Wood Preservative Sealer contain biocides. Therefore they should be used only when timber protection is necessary and anyway not in living rooms, bedrooms or where foodstuff are kept.

Caution: Beware of ice. Do not store or work below 5°C. We recommend to make tests on timber before starting a working cycle.

APPLICATION METHODS

In according with Catas certification (EN972-2 performance specification), the appropriate cycle to follow is:

- 2 coats of 150g/m² flow coating of wood preservative sealer water base for exterior WB711
- 3 coats of 150g/m² of top coat water base for exterior WT73X0

For details of spray equipment contact Ritver Technical Services Department.

The atmospheric temperature should be between 5°C to 35 °C and the relative humidity should not exceed of 70% during the application.

NOTE

Colourless[WB711] does not prevent wood which are exposed to the sunlight from graying as well as from other atmospheric agents. That is why it is mainly used as a protective coat to guard wooden substrate against mould, followed by a coat of colored WB711 only for the protection against sunlight and color variation.

PACKING & STORAGE

Available: 1Ltr and 5Ltr.

The product has a Shelf Life of 18 months, if the plastic drum is hermetically closed and well stored at 25°C.

SAFETY & FLAMMABLE

This material is non-flammable and must not be naked to direct sun light. Use in ventilated areas. In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleaner. Keep away from sources of ignition. No Smoking. Keep out of reach of children. For more and detailed information consult the Safety Data Sheets WB711.