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WOOD PROTECTION

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1. Product name

HOLZFREUND Impregnating W-MD colored, series 681000

2. Description

Water borne impregnating based on nanotechnology acrylic resins

3. Main features

Suitable for flow coating application, it's an ideal base for the subsequent treatment with both water and solvent finishes.

It has uniform color, excellent for the impregnation of pine finger jointed because it reduces the difference of shade due to the different absorption of the wood. It's also suitable for the impregnation of beams and beads, as it reduces drastically the graying nodes if compared to conventional water-based impregnating.

It meets the norm UNI EN 152 if the application conditions required by this norm are adhered to. Store the product in cans not containing metals such as iron, copper, zinc, aluminum and their alloys.

4. Recommended use

Suitable for the coating of beams, beads, wooden windows and doors, as described above.

5. Technical data

Type	Internal method	Standard	Meas. unit	T Ref.	Value
Specific gravity	MS 018	ASTM D1475 ISO 2811-1	kg/dm ³	23°C	1,02 ± 0,05
Solid content		UNI EN ISO 3251	% p/p		9 ± 2
Viscosity (cup DIN 2)	MS 013		Sec.	23°C	47-49*

6. Application data

Color: ebony, dark oak, mahogany, chestnut, walnut, dark walnut, douglas, green, honey, light walnut, larch, oak, walnut tan.

Theoretical consumption: 120 - 150 g/m², depending on the type of support and the application methods.

Practical spreading rate: roughly 30% lower than the theoretical by airless application **.



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7. Application method

Equipment: by flow-coating with an inclination of about 45° of frames, by brush or spray. Stir well before use.

Thinning: product ready to use; in specific case a dilution by potable water can be required

Drying time: ready to handle in 20' - 40' at 23°C, 50% RH and good ventilation according to the type of wood.

Number of coats: 1 coat as described above.

Application conditions: application suggested between 12°C and 35°C, RH<70% and good ventilation.

Periodically check the pH value and balance the possible decrease with the solution for pH normalizing code 908006. In Summer time, if pH can't be controlled, it is recommended to add 0.2 - 0.3% of this solution every 40 minutes of use. When the product is applied as a finish coat (i.e. beams), it is mandatory to apply 1 or 2 coats, to reach the recommended weight (see theoretical consumption). Do not expose the objects outdoor before the full drying of the impregnating (48 hours, if each of the conditions of application).

8. Available colors

Ebony, dark oak, mahogany, chestnut, walnut, dark walnut, douglas, honey, light walnut, larch, oak, walnut tan, green. Other shades on request

9. Storage indications

Shelf life: 12 months, provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

Susceptible to frost damage.

10. Available packing

Standard packing 1, 4 and 25 l. For different needs, please contact us.

11. Safety precautions

For professional use only. For health and safety information, please refer to the relevant Material Safety Data Sheet.

12. Notes, warnings and other information

Given the large number of factors that influence the painting process and our inability to control the use of the product itself, we can accept no responsibility for the final result.

* parameters subject to testing for each batch.

** indicative value, as it is dependent on numerous factors unrelated to the product, such as the size of the object, the conditions of the surface, the type and conditions of application



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NB: the product conforms to Law Decree 27 March 2006 n.161;

It belongs to category f) Impregnating non film-forming for wood

VOC value lower than legal limit

VOC legal limits are 140 g/l from 01/01/2010.

This Product Data Sheet has been written according to UNICHIM 1633 method

The information in this data sheet about the use of our products are based on our present scientific knowledge and practice. Zetagi accepts no commitment and / or responsibility on the final result of the work with our products. It is the customer's responsibility to verify the suitability of our products for the intended use. All the products and the advice given are subject to our general conditions of sale which we recommend you to request and read carefully. This data sheet replaces and annuls the previous ones: it is the user's responsibility to ensure that this sheet is updated prior to using the product. This data sheet is a translation; the Italian text of this document shall prevail over any translation thereof.