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## WOOD PROTECTION

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### 1. Product name

**HOLZFREUND Primer "W" AMG/IK code 672057**

### 2. Description

Water based one component primer based on acrylic resins, for outdoor use.

### 3. Main features

Water based one component primer based on oil-modified acrylic resins. Particularly suitable as an insulating primer for exotic and hard woods (containing substances that may interfere with the process of film formation or with the dry film thickness of water borne coatings for wood ).

The use of this primer entails a pleasant enhancing effect of the wood grain as well. Good wetting properties of the pores of the wood with a fair thixotropy that allows an homogeneous film thickness. In case of over coating with a finish coat, gently sandpaper the primer in order not to impair its insulating function.

Store the product in cans not containing metals such as iron, copper, zinc, aluminum and their alloys.

### 4. Recommended use

Window frames and woodwork painting as described above.

### 5. Technical data

Type	Internal method	Standard	Meas. unit	T Ref.	Value
Specific gravity	MS 018	ASTM D1475 ISO 28811-1;1997	kg/dm <sup>3</sup>	23°C	1,02 ±0,05
Solid content		UNI EN ISO 3251	% p/p		31 ± 2
Viscosity (Brookfield spindle 3)0.5 RPM	MS 007		mPas	23°C	35000- 45000*

### 6. Application data

**Color:**clear.

**Suggested DFT:** 50 ÷ 60 µm.

**Theoretical consumption:** 160 - 200 g/m<sup>2</sup>, depending on the type of support and the application method.

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

### 7. Application method

**Equipment:** airmix spray or electrostatic airless.

Suggested nozzle pressure 3.5 bar, pump ratio 1:30, pumps fitted by pre-atomizers and thin nozzles (9:40).



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**Thinning:** up to 10% potable water depending on surface type and application method.

**Drying time:**

- Touch dry approx. 25'-45' at 23°C and 50% RH
- Hard dry approx. 24 h at 23 °C and 50% RH. In tunnel, oven or shelves, with T up to 35°C, the time can be reduced to 3-4 h.

**Number of coats:** 1 or 2 coats, with suitable sandpapering.

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

The substrate must be perfectly clean and dry. Lower temperatures and high RH may stop the process of film formation. It is generally recommended a preliminary treatment with our water based Impregnating Holzfreund 672.000.

### 8. Available colors

Clear

### 9. Storage indications

Shelf life: 8 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 25 and 60 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

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

It belongs to category i) High performance one component paints

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



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*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.*