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**Veneziani**

## WOOD PROTECTION

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### 1. Product name

**HOLZFREUND Finish ACS LONG LIFE Series 171800**

### 2. Description

Water based one component finish for outdoor application, based on nanotechnology acrylic resins

### 3. Main features

Highly resistant to weathering and UV rays; free from permanent bleaching phenomena. Suitable for the coating of wooden windows and doors.

Transparent iron oxide pigmented to reduce the absorption of solar radiation and the relevant damages caused on the wood. Furthermore, this deterioration is blocked thanks to the presence of selected innovative UV absorbers.

Thanks to the high surface hardness coupled to a high elasticity even at low temperatures and to the excellent water resistance, it ensures the long lasting continuity of the film even under difficult conditions (sharp corners, intersections).

Besides, it has very high transparency even when wet and excellent vertical film cohesion even in the most critical situations.

The high technological content of this paint combines quality and aesthetics, giving the window a strong resistance and a high quality outlook comparable to that of the furniture.

Actually the paint has a very large blocking resistance, high water tightness (very little bleaching), very high transparency even when wet and excellent dry film fullness.

Due to the properties listed above and the vertical film cohesion even in the most critical situations, this coating is particularly suitable for industrial application of windows and doors of all types of wood, even meranti type. Very high solid content, to improve the fullness of the painted object. 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 wooden windows and doors, as described above.

Given the vertical film cohesion even in the most critical situations, this coating is particularly suitable for industrial application

### 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		40 ± 2
Viscosity (Brookfield spindle 3) 0.5 RPM	MS 007		mPas	23°C	90000-120000*



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### 6. Application data

**Finish:** flat, 5-15 gloss, 15-25 gloss or 25-35 gloss - semigloss 45-55 gloss - angle 60°(ISO 2813)\*.

**Color:** clear or slightly pigmented

**Suggested DFT:** 90 - 110 µm.

**Theoretical consumption:** 260 g/m<sup>2</sup>.

**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).

**Thinning:** up to 5% potable water depending on surface type and application method.

**Drying time:**

- Touch dry approx. 20'-40' 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.
- Stacking: the painted objects can be stacked vertically with suitable spacers about 48 hours after application. The process can be accelerated by drying in a tunnel for at least 2 hours, at progressive room temperature, up to a temperature of 35 °C. It passes the blocking test according to ISO 4622 (1N/cm<sup>2</sup> applied load).

**Number of coats:** 1 or 2 coats as described above.

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

### 8. Available colors

clear or slightly pigmented

### 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 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.



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\* 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 e) Paints and Impregnating for indoor and outdoor wood finishes

VOC value lower than legal limit

VOC legal limits are 130 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.*