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**Veneziani**

## WOOD PROTECTION

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### 1. Product name

**HOLZFREUND Reconstruction Finish W code 171480**

### 2. Description

Water based one component finish for outdoor application, based on 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.

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). Very suitable to recoating of windows already painted; it can also be used as new build coating. Especially designed for brush and spray application. 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.

### 5. Technical data

Type	Internal method	Standard	Meas. unit	T Ref.	Value
<b>Specific gravity</b>	MS 018	ASTM D1475 ISO 2811-1	kg/dm <sup>3</sup>	23°C	1,02 ± 0,05
<b>Solid content</b>		UNI EN ISO 3251	% p/p		38 ± 2
<b>Viscosity</b> Brookfield spindle 2 0.5 RPM	MS 007		mPas	23°C	50 to 55000*

### 6. Application data

**Finish:** flat, 35-45 gloss - angle 60° (ISO 2813) \*.

**Color:** clear or slightly larch pigmented

**Suggested DFT:** 40 - 50 µm.

**Theoretical consumption:** 120-150 g/m<sup>2</sup>.

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

**Elasticity test:** 900 µm WFT (equal to 290 µm DFT) has been applied by film spreader on polyethylene sheets. The samples have been tested at 400 mm/min by the Zwick tester after 28 days at room temperature.



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Tensile strength:

TEMPERATURE	FRACTURE LOAD N/mm <sup>2</sup>
23 °C	8.6
0 °C	17.2

Elongation strength:

TEMPERATURE	ELONGATION %
23 °C	165.0
0 °C	72.1

### 7. Application method

**Equipment:** brush, 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 15 °C and 35 °C, RH<70% and good ventilation.

**Suggested paint system:**

- **Holzfreund Impregnating neutral or colored "W" series 681000**
- **HF Reconstruction Finish W code 171480 ( 50-80 µm WFT)**
- **Sandpapering after 24 h**
- **HF Reconstruction Finish W code 171480 ( 50-80 µm WFT)**

### 8. Available colors

clear or slightly larch 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.



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### 10. Available packing

Standard packing 0.75, 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

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.*