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## WOOD PROTECTION

Issued 24.01.2012

### 1. Product name

**HYDROLAC Finish series 496000**

### 2. Description

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

### 3. Main features

Highly resistant to weathering and chalking, blistering and blocking.

HYDROLAC products are ideal for window frames and woodwork painting. Their rheological characteristics allow the vertical applications even at high thickness.

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
<b>Specific gravity</b>	MS 018	ASTM D1475 ISO 2811-1	kg/dm <sup>3</sup>	23°C	1,15 ± 0,05*
<b>Solid content</b>		UNI EN ISO 3251	% p/p		39 ± 2*
<b>Viscosity</b> Brookfield spindle 3 0.5 RPM	MS 007		mPas	23°C	35-45000**

### 6. Application data

**Finish:** flat, 20-30 gloss - angle 60° (ISO 2813).

**Color:** White code 496029 20 gloss, code 496129 30 gloss. RAL shades and others on request.

**Suggested DFT:** 80 - 110 µm.

**Theoretical consumption:** 200 - 270 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.



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### **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/cm2 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.

**Overcoating time:** Hydrolac can be overcoated by itself after 18-24 h from the application and suitable sandpapering.

Different paint systems can be specified according to the type of wood to be painted. In particular it is stressed that the use of white (and light colors in general) on tannic woods may cause localized yellowing phenomena.

### **8. Available colors**

RAL shades and others 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 5 and 25 kg. 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.

We highlight an important aspect of the painting of front doors, balcony door and French windows. As it happens that when you close the door you grab the edge of the door instead of the handle, the dirt and the sweat of the hands soften the paint that over time can no longer be cleaned.

This defect is not covered by any guarantee but can be corrected by applying an additional coat , RETRON FINISH "W" series 615000, Water-based, transparent 2-component finishing system,, on top of opaque pigmented top coat

This paint is resistant to chemical agents, to perspiration and hand creams with approval CQA CATAS (according to UNI 11216-2006) see technical data sheet.

Another alternative is to inform the customer about the correct way to use the doors and window, using only the handle.



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- \* parameters relating to white (496029)
- \*\* 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 d) Paint and finishes for indoor/outdoor applications on wood, metal, plastic

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.*