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WOOD PROTECTION

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1. Product name

RETRON Finish W LD code 617100

2. Description

Water based two component polyurethane finish, glossy.

3. Main features

Water based pigmented two component polyurethane finish formulated with hydroxylate acrylic resin, to be cross linked only by aliphatic isocyanate hardener code 730040.

Particularly suitable as a finish for the painting of furniture and related products; excellent resistance to scratching and to products for the cleaning of the house. The type of resins, along with the remaining components of the formulation, give the film undisputed behavior towards the yellowing due to sunlight, and good flexibility.

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 furniture and alike, as described above.

5. Technical data

Type	Internal method	Standard	Meas. unit	T Ref.	Value
Specific gravity ▪ Base ▪ mixed	MS 018	ASTM D1475 ISO 2811-1	kg/dm ³	23 °C	1.048 ± 0.05 1.055 ± 0.05
Solid content ▪ Base ▪ mixed		UNI EN ISO 3251	% p/p		38 ± 2 46 ± 2
Viscosity (cup DIN 4)	MS 013		Sec.	23 °C	25-30 *

6. Application data

Finish: glossy, > 80 gloss, angle 60° (ISO 2813).

Color: clear

Suggested DFT: 35 ÷ 45 µm.

Theoretical consumption: 85 ÷ 110 g/m² mixed product.

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



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7. Application method

Equipment: airmix spray or electrostatic airless by airbrush.

Thinning: 20-25% potable water.

Drying time:

- Touch dry approx. 1h at 20°C and 50% RH
- Hard dry approx. 6-10 h at 20°C and 50% RH
- Fully cured approx. 24 h at 20 °C and 50% RH

The drying times vary with the thickness, the thinning ratio and the weather conditions.

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

Application conditions: application suggested between 15°C and 30°C, RH<50% and good ventilation.

Pot life: approx. 2 h at 23°C with 25% potable water dilution

Mixing ratio: 100:35 by weight with curing agent "W" "LD" code 730040

2,9:1 by volume with curing agent "W" "LD" code 730040

Mix carefully base and curing agent and then dilute with water as suggested

8. Available colors

Clear

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.

* 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 two component paints

VOC value lower than legal limit

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



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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.