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WOOD PROTECTION

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1. Product name

RETRON Finish Pigmented Series 619500

2. Description

Water based one-two component finish based on an acrylic copolymer with OH functional groups.

3. Main features

Water based one-two component finish based on an acrylic copolymer with OH functional groups, it can be cross linked by aliphatic isocyanate hardener code 730070.

Particularly suitable as a finish for the painting of furniture and related products, it can be easily roughened by sandpaper; excellent resistance to scratching and to products for the cleaning of the house. The product has good chemical resistance when used as one component, excellent chemical resistance when cured with the curing agent W MB code 730070.

The type of resins, along with the remaining components of the formulation, give the film excellent wetting of the substrate and speed of drying. To be applied, after roughening by sandpaper, on top of RETRON Primer W series 619000.

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, doors and entrance doors as described above.

5. Technical data

Type	Internal method	Standard	Meas. unit	T Ref.	Value
Specific gravity <ul style="list-style-type: none">▪ Base▪ mixed	MS 018	ASTM D1475 ISO 2811-1	kg/dm ³	23°C	1.11 ± 0.05* 1.11 ± 0.05
Solid content <ul style="list-style-type: none">▪ Base▪ mixed		UNI EN ISO 3251	% p/p		36 ± 2* 40 ± 2
Viscosity (cup DIN 4)	MS 013		secondi	23°C	90-100 **

6. Application data

Finish: various finish available, 30-20-5 gloss, angle 60° (ISO 2813).

Color: RAL shades and others on request.

Suggested DFT: 35 ÷ 45 µm.

Theoretical consumption: 90 ÷ 120 g/m² mixed product.



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

7. Application method

Equipment: airmix spray or electrostatic airless by airbrush.

Thinning: up to 5% 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.

The product achieves the max hardness after 4 weeks.

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. 3 h at 23°C; do not use the product after 3 h from the mixing.

Mixing ratio: 100:10 by weight with curing agent "W" "MB" code 730070

Overcoating time: RETRON Finish can be overcoated by itself without sandpapering after 3-4 h or after 24 h by suitable sandpapering.

8. Special tests

Antibacterials. Tests of activity and effectiveness JIS Z 2801:2010

Test report CATAS 170626/1

With addition of 0.5% by weight of the IG Silver Barrier cod. 907050 Product catalyzed with 10% hardener cod. 730070, you get an effective barrier to the proliferation of molds and bacteria.

9. Available colors

RAL shades and others on request.

10. 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.

11. Available packing

Standard packing 5 and 25 kg. For different needs, please contact us.

12. Safety precautions

For professional use only. For health and safety information, please refer to the relevant Material Safety Data Sheet.

13. 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 relating to white code 619529

** 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 j) High performance two 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

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.