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WOOD PROTECTION

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1. Product name

RETRON Primer Series 615000

2. Description

Water based two component polyurethane primer.

3. Main features

Water based pigmented two component polyurethane primer formulated with hydroxylate acrylic resin, to be cross linked only by aliphatic isocyanate hardener code 730030.

Particularly suitable as a primer for the painting of furniture and related products, it can be easily roughened by sandpaper. 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. To be recoated, after roughening by sandpaper, by our colored two component water based finishes series 615000. Also suitable for MDF, briar and cherry wood. 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	MS 018	ASTM D1475 ISO 28811-1;1997	kg/dm ³	23 °C	1,28 ±0,05*
Solid content <ul style="list-style-type: none">▪ Base▪ mixed		UNI EN ISO 3251	% p/p		53 ± 2* 55 ± 2*
Viscosity (Brookfield spindle 2)0.5 RPM	MS 007		mPas	23 °C	8000-10000**

6. Application data

Finish: flat

Color: White, other colors on request

Suggested DFT: 35 ÷ 45 µm.

Theoretical consumption: 90 ÷ 120 g/m² mixed with 730030 curing agent.

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

7. Application method

Equipment: airmix spray or electrostatic airless and systems HVLP (high volume low pressure).

The cross linking reaction between the base and the curing agent 730030 is in competition with the one between the catalyst and water, so the balance between the two reactions is unstable.



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The use of guns mixing the two components prevent the features of the painted pieces to vary depending on the time elapsed between the full cure and the application. This way the degree of cross linking is optimized and the reaction made repeatable.

Thinning: not necessary, if required up to 10% potable water.

Drying time:

- Touch dry approx. 4h at 20°C and 50% RH
- Hard dry approx. 10 h - 15 h at 20°C and 50% RH
- Fully cured approx. 24 h at 20 °C and 50% RH

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: max 60' at 20°C if no direct mixing guns are used.

Mixing ratio: 100:10 by weight with curing agent "W" "A" code 730030

Overcoating time: RETRON Primer can be overcoated by RETRON Finishes after 24 h from the application and suitable sandpapering.

8. Available colors

White, other colors 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.

* parameters relating to white

** 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



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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.