



YO-xxC370 Pigmented RAL

AQUARIS Water-based Pigmented Topcoat for exterior

Renner Italia Spa - Via Ronchi Inferiore, 34 - 40061 MINERBIO (BO)

Main properties:

• Good wettability	• Good build
• Good flowing	• Light-resistant pigments
• Suitable for micro-wave drying	

Versions:

YO-20C370/Rxxxx	20 gloss Rxxxx	YO-30C370/Rxxxx	30 gloss Rxxxx		
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Recommended use:	• Entrance doors	• Garage doors
Application method:	<ul style="list-style-type: none"> • Automatic and manual spray, both airless and airmix, with or without electrostatic • Brush * For horizontal application.	
Product preparation:	Ready to use. If necessary, thin with tap water at 2-4%, according to the characteristics of the application system.	

Chemical-physical characteristics at 23°C

Solid content (%)	From 42 to 47 ± 2
Specific weight (g/cm ³) ± 0,03	From 1,05 to 1,16 ± 0,03
Viscosity Brookfield (mPas)	10000 ± 1000
pH	from 8,5 to 9,5

Application characteristics

Vertical application (wet µm)	200 µm
Recommended n° of coats	1 - 2 coats
Recommended quantity per coat	min: 175 µm max: 275 µm
Interval between coats	min: 1 h max: 2 h
Spreading rate (m ² /litres)	from 5 to 3

General remarks on the coating system

Drying at 23°C and RH% between 45 and 65: 250 µm	
Overcoating	1 - 2 h
Vertical stackability	24-36 h
Sandable	2 h

Forced drying: 250 µm		
	Temperature	Time
Flash Off	T.A.	2 minutes
Laminar air	45°C	10 minutes
Cooling	10° C	2 minutes

Substrate preparation:

The wood must be previously treated with a water-based wood stain, with/without a coat of water-based intermediate/basecoat for exterior from the AQUARIS range. **The temperature of the panel and coating during application must be at least 15°C.**

Application instruction:	Thinning %	Nozzle	Air pressure (bar)	Coating pressure (bar)
Conventional air gun	3 - 6	1,9 - 2,5	4	--
Airmix	2 - 4	11- 13	0,5 - 1	80 - 120
Airless	2 - 4	11- 13	--	80 - 120

The use of a preheater (with temperatures between 30 and 40°C) is recommended to ensure constant application quality all over the year.

BRUSH: synthetic fibers or mixed fibers

Packaging material: must be suitable for contact with water-based coating films. Avoid polystyrene, PVC and corrugated cardboard.

For further information regarding the use of waterborne products, please refer to the Main Guide.

General remarks

<ul style="list-style-type: none"> • Mix well before use. • If properly stored at temperatures between 5 and 35°C, the shelf life is 18 months. • During application, the temperature of the product, the substrate and the working environment <u>should never fall below 15°C</u>. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved. • Coating leftovers (washing waters, waters from spray booths, exhausted paint) must be disposed of according to local regulations. Never dispose of residues directly into drains. • Application tools must be cleaned with water after use. When dry films must be removed, special detergent AY---M460 should be used, letting it work overnight and then cleansing it with water.
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What to do to...	Add	Dose of use	
		%	Grams per 25 litres
Increase chemical resistance and stackability	YCM407 - YCM408	0,500 - 2	125 - 500
*Slow down drying time (brush and high ambient Temperature applications)	AY---M450	1 - 2	250 - 500
Prolong the shelf life of a used product	AY---M435	0,1	25
Increase thixotropy and viscosity	AY---M454	0,2 - 0,4	50 - 100
Eliminate craters/cissings caused by environmental pollution	AY---M457	0,2 - 0,5	50 - 125