



# YO-xxM370 Converters

## AQUARIS wb thixo converter – quick dry - for entrance doors and car boxes

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

**Main properties:**

• Excellent wet ability	• Excellent build
• Excellent flowing	• Light resistance pigments
• Suitable for drying with microwaves	

**Versions:**

<b>YO-15M370/--NTR</b>	15 gl clear	<b>YO-30M370/--NTR</b>	30 gl clear	<b>YO-45M370/--NTR</b>	45 gl clear
<b>YO-15M370/--SBN</b>	15 gl white	<b>YO-30M370/--SBN</b>	30 gl white	<b>YO-45M370/--SBN</b>	45 gl white

<b>Recommended use:</b>	• Entrance doors	• Car boxes doors
<b>Application method:</b>	Spray ( conventional, airless, air mix). Electrostatic guns may be used provided they are suitable for waterborne products. For horizontal application	
<b>Blending instructions:</b>	ready to use. water may be used at the ratio of 2 to 4% to make viscosity adjustments.	

**Chemical-physical characteristics 23°C**

Solid contents (%)	White	47 ± 1
	clear	42 ± 1
Solid contents (%)	1,05 (NTR) 1,16 (SBN)	
Brookfield viscosity (mPas)	11000 ± 1000 (for NTR value of the final RAL)	
pH	8,5 - 9,1	

**Application properties**

Vertical application (wet µm )	200 µm
Recommended N° of coats	1 - 2 coats
Recommended application weight (g/m <sup>2</sup> )	min: 175 µm max: 275 µm
Interval between coats	min: 1 h max: 2 h
Spreading rate (m <sup>2</sup> /litre)	5 - 3

**General coating system recommendations**

<b>Drying at 23°C and 45 – 65 RU%: : 250 µm</b>	
overcoating	1 - 2 h
Vertical stack ability	24-36 h
Sand ability	2 h

<b>Forced drying: 250 µm</b>		
	Temperature	Time
Flash Off	room	2 minutes
Laminar air	45°C	5 minutes
Cooling	10°	2 minutes

**Substrate preparation:** substrate must be treated with AQUARIS preservative and with / without 1 coat of intermediate/basecoat for exteriors. **Application temperature of the panel and the coating should never fall below 18°C.**

<b>Application instructions:</b>	Thinning %	Nozzle	Air Pressure (bar)	Coating pressure (bar)
Conventional air gun	6 - 10	2 - 2,5	+/- 4	--
Airmix	2 - 6	11- 13	0,5 - 1	80 - 120
Airless	2 - 6	11- 13	--	80 - 120

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensure better application constancy whatever it is the ambient room.

**Packaging material:**

Must be suitable for waterborne coating film. Avoid polystyrene foam, PVC or board.

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

**General Remarks**

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 18 months
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left over (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, **AY---M460**, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to ...	Add	% of use	
		%	Grams for 25 litres
Improve chemical resistances and stackability	<b>YC---M407 or YC---M408</b>	0,500 - 2	125 - 500
Slow down drying time	<b>AY---M450</b>	1 - 2	250 - 500
To keep safe product used	<b>AY---M435</b>	0,100	25
Increase thixotropy or viscosity	<b>AY---M455</b>	0,1 – 0,2	25 - 50
Eliminate craters/cissings	<b>AY---M457</b>	0,200 – 1	50 - 250

DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. HOWEVER THE RESPONSIBILITY OF FINAL RESULTS OF COATING SYSTEM RESTS ENTIRELY WITH THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT IS IN COMPLIANCE WITH THE REQUIREMENT OF THE APPLICATION SYSTEM, THE SUBSTRATES USED AND THE WORKING CONDITIONS.  
 AFTER PROLONGED STORAGE, THE VISCOSITY OF PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE ONE MENTIONED ON THE TECHNICAL DATS SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.