



Renner Italia S.p.A.  
Via Ronchi inferiore, 34  
40061 MINERBIO (BO)

# YO XXC851/--XXX

## Waterborne self sealer for open pore wood

**Main properties:**

<ul style="list-style-type: none"> <li>• Quick drying</li> <li>• Excellent wetting pore</li> </ul>	<ul style="list-style-type: none"> <li>• Good isolating properties if catalysed</li> <li>• Good chemical physical resistances</li> </ul>
--	--

YO-10C851/--C02	10 gloss white	YO-25C851/--C02	25 gloss white
YO-10C851/------	10 gloss clear	YO-30C851/------	30 gloss clear
YO-50C851/-- C02	50 gloss white	YO-50C851/------	50 gloss clear

<b>Recommended use:</b>	<ul style="list-style-type: none"> <li>• General use</li> <li>• For woods with pore</li> </ul>	<ul style="list-style-type: none"> <li>• If catalysed, used for rich in tannin wood</li> </ul>
<b>Application method:</b>	Spray: conventional air gun, airmix, airless,	
<b>Blending instructions:</b>	Catalyse at 5 - 10% with YC---M402, YC----M404, if needed, thinning at max. 10% with tap water. Once catalysed, the product has a pot life of 3-4 hours.	

**Chemical-physical properties (23 °C)**

**Application properties**

	C02	Trasp.		
Solids content (%)	40 ± 3	28 ± 3	Vertical application (wet µm)	140
Specific gravity (g/cm <sup>3</sup> )	1,180 ± 0,030	1,030 ± 0,030	Recommended N° of coats	max 3 coats
Viscosity DIN 6 (s)	30 ± 8	30 ± 8	Recommended quantity per coat (g/m <sup>2</sup> )	min: 80 max: 130
pH	7,5 - 8,5	7,5 - 8,5	Interval between coats	2 h
			Spreading rate (m <sup>2</sup> /litre)	7- 10

**General remarks on the application system**

Drying at 20°C and 45 – 65 RU%: 100 g/m <sup>2</sup>		Forced drying: 100 g/m <sup>2</sup>		
Dust free	45 minutes		Temperature	Time
Handling	60 minutes	Flash Off	30 °C	15 minutes
Sand able	2 h	Laminar air	45 °C	60 minutes
Stackable	5 h	Cooling	20°C	5 minutes
		Stackable	Just downloaded from the tunnel	

**Substrate preparation:** clean very well the surface, which shall be well dry (10-14% humidity). Clean up possible traces of resins, wax or grease. To avoid fibre swelling surfaces must be sanded with 180-220 grit paper.

**Wood species:** self sealer YO XXC815/ CXX has a good isolating power only if catalysed and for this reason it is recommended for coating rich in tannin or other substances wood species.

**Application instructions:** To obtain the best results, it is recommendable not to thin with water but to choose the best application conditions that allow the maximum atomization. For example, for spray application:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
<b>Conventional spray gun</b>	--	<b>1,9 -2,2</b>	<b>3 - 4</b>	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

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. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes)

**Overcoatings:** waterborne self sealer YO XXC851/--CXX can be overcoated after sanding with 280 – 320 grit paper. This product can be used as topcoat on waterborne, polyester or UV white basecoats.

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 liters
Improve wood colour resistance	<b>AY M438</b>	1	250
Slow down drying time and improve filming	<b>AY M444</b>	0,5 - 1	125 - 250

# TECHNICAL DATA SHEET

Version 4 of 14/04/2020

Increase thixotropy or viscosity	AY M454	0,5 - 1	125 - 250
Eliminate craters/cissing	AY M457	0,2 - 1	50 - 250