



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

YO xxM855

Clear waterborne topcoat one-component

Main properties:

• Excellent hardness and softness	• High matting uniformity
• Excellent chemical resistance	• High building

Versioni:

05M855	5 gloss transparent	20M855	25 gloss transparent	60M855	65 gloss transparent
10M855	15 gloss transparent	30M855	35 gloss transparent	90M855	85 gloss transparent
90M855	85 gloss transparent				

Recommended use:	• General purpose	• Interior furniture	• Furniture
Application method:	Spray: conventional, airless, air mix, low pressure. Electrostatic guns may be used provided they are suitable for waterborne products)		
Blending instructions	Ready to use. May be further thinned with tap water if necessary		

Chemical-physical properties (23 °C)

Solids content (%)	25 ± 2
Specific gravity (g/cm ³)	1,030 ± 0,030
Viscosity DIN 6(s)	35 ± 5
Viscosità Brookfield (mPas)	-
pH	7,5 - 8,5

Application properties

Vertical application (wet µm)	100
Recommended N° of coats	max. 1
Recommended quantity per coat (g/m ²)	min: 80 max: 120
Interval between coats	-
Spreading rate (m ² /litre)	7-10

General remarks on the application system

Drying at 20°C and 45 – 65 RU%: 100 g/m ²		Forced drying: 120 g/m ²		
			Temperature	Time
Dust free	45 minutes	Flash Off	30 °C	15 minutes
Handling	2 hour	Laminar air	45 °C	45 minutes
Stackable	16 hours	Cooling	20 °C	15 minutes
Overcoating	-	Stackable	2 h	

Substrate preparation: Carefully sand the basecoat with grit paper 320 – 400. YO xxM855 may be applied on waterbased, polyester or UV basecoat. Overcoating with nitro or PU basecoat must be avoided.

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
Conventional spray gun	--	1,5 - 2,2	3 - 4	--
Air mix	--	9	0 - 2	80 - 100
Airless	--	9	--	100 - 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. 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).

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
- Do not apply it temperature is lower than 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
Increase drying time	AY M444	0,5 - 1	125 - 250
Increase thixotropy or viscosity	AY M453	1 - 2	250 - 500
Eliminate craters/cissing	AY M457	0,2 – 0,5	50 - 125
Improve chemical resistance and stackability	YC M407	0,5 - 2	125-500