



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

YO xxC688/ XXX

2K waterbased topcoat for kitchen

Main properties:

<ul style="list-style-type: none"> • Excellent hardness and soft touchiness • Converter for any lacquered colour 	<ul style="list-style-type: none"> • Excellent matting harmonizing properties • Excellent chemical physical resistances
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Versions:

15C688 C02	15 gloss white	15C688/ NTR	15 gloss neutral	05C688/ NTR	5 gloss neutral
05C688 SBN	5 gloss white	30C688/ NTR	30 gloss neutral	30C688 SBN	30 gloss white
60C688 NTR	60 gloss white	60C688/ NTR	60 gloss neutral		

Recommended use	<ul style="list-style-type: none"> • General use • Furniture • Kitchens
Application method:	Spray: conventional spray gun, airmix, airless, electrostatic (with tools suitable for waterbased coatings).
Product preparation:	<p>Catalyse with YC M404 at 10 - 15%. As alternative, same quantity of YC M403, if needed, to improve application, thinning with tap water.</p> <p><i>To get excellent chemical physical resistance, the product shall be catalysed at 15%</i></p>

Chemical physical characteristics at 23°C			Application characteristics	
	Neutral	White		
Solid content (%)	32 ± 3	42 ± 3	Max verticality (µm wet)	150
Specific weight (g/cm³)	1,030 ± 0,030	1,150 ± 0,030	N° of coats	1
All: Viscosity DIN 6 (s)	30 ± 10	30 ± 10	Recommended quantity per coat (g/m²)	min: 100 max: 150
pH	7 - 8,5		Interval between coats	-
			Spreading Rate (m²/litres)	7 - 10

General remarks on the application system

Drying at 20°C and RU% between 45 and 65: 120 g/m²		Forced drying: 120 g/m²		
			Temperature	Time
Dust free	45 minutes	Flash Off	30 °C	20 minutes
Handable	4 h	Laminar air	45 °C	4 h
Overcoating	-	Cooling	20 °C	10 minutes
stackable	24 h	Stackable		12 h

Substrate preparation:

Sand accurately the basecoat with 320 -400 paper grit. **YO xxC688/ XXX** can be applied on wb, PE or UV basecoats. Do not overcoat with nitro or PU basecoats.

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 %	Nozzle	Air pressure (bar)	Coating pressure (bar)
Conventional air gun	4 - 6	2 - 2,2	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre-atomizers and pre-heaters with product temperatures between 30 and 40° C is effective to grant the application constancy throughout the year. 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).

Pigmentability: YO xxC688/ XXX can be pigmented with pastes **series EY--M690/--xxx**.

NTR version can be pigmented from 8% to max 12%, **SBN white version** can be pigmented up to max 4%. Look at the tds of pastes for further information about coverage, light resistance, etc.

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

TECHNICAL DATA SHEET

Version 3 of 23/03/2020

What to do in order to.....	Add	% of use	
		%	Grams for 25 liters
Slow down drying time	AY M062	1 - 2	250 - 500
To improve thixotropy or viscosity	AY M453	0,1 – 1	25 - 250
Eliminate craters/cissing	AY M457	0,2 – 1	50 - 250