



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

# YO XXU688/--XXX

## 2k Topcoat for kitchens

**Main properties:**

<ul style="list-style-type: none"> <li>Excellent hardness and touch feeling</li> <li>Base for lacquered colours</li> </ul>	<ul style="list-style-type: none"> <li>Excellent sheen level uniformity</li> <li>Excellent chemical-physical resistances</li> </ul>
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**Versions:**

<b>05U688 SBN</b>	5 gloss white
<b>15U688/ NTR</b>	15 gloss neutral
<b>30U688/ NTR</b>	30 gloss neutral

<b>05U688/ NTR</b>	5 gloss neutral
<b>30U688 SBN</b>	30 gloss white
<b>60C688 SBN</b>	60 gloss white

<b>15U688 SBN</b>	15 gloss white
<b>60U688/ NTR</b>	60 gloss neutral

<b>Recommended use:</b>	<ul style="list-style-type: none"> <li>General use</li> <li>Furniture</li> <li>Kitchens</li> </ul>
<b>Application method:</b>	Spray: conventional air gun, airmix, airless, electrostatic (provided with equipment suitable for water-based products).
<b>Product preparation:</b>	Catalyse with <b>YC M403</b> at 10-15% or, <b>alternatively</b> , with <b>YC M404</b> at the same ratio. Thin with tap water if needed to improve application. <i>The product has to be catalysed at 15% to obtain the best chemical-physical resistances.</i>

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

	Neutral	White
Solid content (%)	32 ± 3	42 ± 3
Specific weight (g/cm <sup>3</sup> )	1,030 ± 0,030	1,150 ± 0,030
<b>All products:</b> Viscosity DIN 6 (S)	30 ± 10	30 ± 10
pH	7 – 8.5	

**Application properties**

Vertical application (wet µm)	Max 150
Recommended N° of coats	1
Recommended quantity per coat (g/m <sup>2</sup> )	min: 100 max: 150
Interval between coats	-
Spreading rate (m <sup>2</sup> /litres)	7 - 10

**General remarks on the coating system**

Drying at 20°C and R.H. 45 – 65 %: 120 g/m <sup>2</sup>	
Dust free	45 minutes
Handable	4 h
Overcoating	-
Stackable	24 h

Forced drying: 120 g/m <sup>2</sup>		
	Temperature	Time
Flash Off	30 °C	20 minutes
Laminar air	45 °C	4 h
Cooling	20°C	10 minutes
Stackable	12 h	

**Substrate preparation:** Clean the surface carefully with 320-400 grit paper. **YO xxC688/ XXX** can be applied on WB, PE or UV basecoats. Overcoating nitro or PU basecoats is not recommended.

**Application instructions:** To obtain the best results, it is better not to thin with water but to choose the best application conditions that allow the maximum atomization. Some general suggestions for spray application are here below enlisted:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional spray 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 temperatures between 30 and 40 °C) ensures better application consistency all year round. 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:** YOxxC688 / XXX is suitable for pigmentation with pastes **EY---M690/--xxx**.

The NTR version can be pigmented from 8% up to max 12%, The pigmentability with paste **EY---M690/--C01** must be pigmented only up to 5%, while the SBN version can be pigmented only up to 4%. Please refer to the technical data sheet of the pastes for information on build, 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, the shelf life is 18 months.
- On application, the temperature of the product, the substrate 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 leftovers (washing waters, waters from spray booths, used coatings) 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.

What to do...	Add	% of use	
		%	Grams per 25 litres
If the product dries too quickly	<b>AY M062</b>	1 - 2	250 - 500
To improve thixotropy or viscosity	<b>AY M453</b>	0,1 – 1	25 - 250

# TECHNICAL DATA SHEET

Version 2 dated 20/03/2023

Eliminate craters/cissing caused by environmental pollution	AY M457	0,2 – 1	50 - 250
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