



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 |
|--|---|

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 |
|-------------------|---------------|--------------------|------------------|-------------------|----------------|

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|------------------------|--|
| Recommended use | <ul style="list-style-type: none"> • General use • Furniture • Kitchens |
|------------------------|--|

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|----------------------------|--|
| Application method: | Spray: conventional spray gun, airmix, airless, electrostatic (with tools suitable for waterbased coatings). |
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| 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/cm ³) | 1,030 ± | 1,150 ± | N° of coats | 1 |
| | 0,030 | 0,030 | Recommended quantity per coat (g/m ²) | min: 100 max: 150 |
| All: Viscosity DIN 6 (s) | 30 ± 5 | 30 ± 5 | Interval between coats | - |
| pH | 7 - 8,5 | | Spreading Rate (m ² /litres) | 7 - 10 |

General remarks on the application system

| Drying at 20°C and RU% between 45 and 65: 120 g/m ² | |
|--|------------|
| Dust free | 45 minutes |
| Handable | 4 h |
| Overcoating | - |
| stackable | 24 h |

| Forced drying: 120 g/m ² | | |
|-------------------------------------|-------------|------------|
| | Temperature | Time |
| Flash Off | 30 °C | 20 minutes |
| Laminar air | 45 °C | 4 h |
| Cooling | 20 °C | 10 minutes |
| 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

| What to do in order to..... | Add | % of use | |
|-----------------------------|----------------|----------|---------------------|
| | | % | Grams for 25 liters |
| Slow down drying time | AY M062 | 1 - 2 | 250 - 500 |

TECHNICAL DATA SHEET

Version 1 of 18/09/2019

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|------------------------------------|----------------|---------|----------|
| To improve thixotropy or viscosity | AY M453 | 0,1 – 1 | 25 - 250 |
| Eliminate craters/cissing | AY M457 | 0,2 – 1 | 50 - 250 |