



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

YO XXC005/--XXX

Water based topcoat/converter for interiors

Main Properties:

<ul style="list-style-type: none"> Excellent hardens and soft touchiness High matting harmonizing properties 	<ul style="list-style-type: none"> High covering level of pigments Quick drying
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Versions

10C005/ SBN	10 gloss white	10C005/ NTR	10 gloss neutral	30C005/ SBN	30 gloss white	50C005/ SBN	50 gloss white
50C005/ NTR	50 gloss neutral	30C005/ NTR	30 gloss neutral				

Recommended use:	<ul style="list-style-type: none"> General us interiors
Application method:	Spray: airgun, air mix, airless, electrostatic (if suitable for water based products)
Product preparation	Ready to use. If needed, thin with tap water and/or add cross linker YC M407 (dose from 0,5 up to 1%) under stirring

Chemical-physical characteristics (23 °C)

	NTR	SBN
Solid contents (%)	29 ± 3	37 ± 3
Specific weight (g/cm ³)	1,050 ± 0,030	1,160 ± 0,030
Viscosity DIN 6 (s)	30 ± 5	
pH	8 - 8,5	

Application properties

Vertical application (wet µm)	140
Recommended n° of coats	1
Recommended quantity per coat	min: 100 max: 140
Interval between coats	-
Spreading rate (m ² /litre)	6 - 11

General remarks on the coating system

Drying at 20°C and RU% between 45 and 65: 120 g/m²		Forced drying: 120 g/m²	
Dust free	45 minutes	Temperature	Time
Hand able	1,5 h	Flash Off	30 °C / 2 minutes
Over coatable	-	Laminar air	45 °C / 10 minutes
Stack able	12 h	Cooling	20 °C / 2 minutes
		stack ability	1 h

Substrate preparation: Sand the basecoat accurately with 320 – 400 grit paper. **YO XXC005/ XXX** can be applied on wb, PE or UV basecoats. Do not over coat nitro or PU basecoats.

Pigmentability: please refer to Aquaris Formula book for interiors YO-76 for colours already formulated at 12% with wb pastes **EYM460/XXX**. Topcoat **YO XXC005/ NTR** can be pigmented, if necessary, up to max 18%, white base **SBN** is pigmentable only up to 4%. Please refer to tds of pastes for technical information about building, light resistance, etc.

Note: by operating with base **NTR**, and on the basis of the colour composition, change in viscosity of the topcoat might occurred. The best viscosity for application is about 30 seconds with DIN 6 cup. This value shall be checked and got by using tap water or thickener **AY M453** under stirring.

Application instructions: to get the max performance of the product, do not dilute with tap water but used application systems which allows the best product atomization. For application by spray:

	Thinning %	Nozzle	Air pressure (bar)	Coating pressure (bar)
Conventional spray gun	4 - 6	2 -2,5	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre-heaters (with temperatures between 30 and 40 °C) ensures application constancy 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).

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 12 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 litre
Slow down drying time	AY M444	1 - 2	250 - 500
Improve viscosity	AY M453	0,2 – 4	50 -1000
Eliminate craters/cissings	AY M457	0,2 – 1	50 - 250
Improve chemical resistance and stack ability	YC M407	0,5 - 1	125 - 250