



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

YO 90M790/ XXX

Waterbased glossy two-component topcoats for interiors

Main properties:

• Excellent hardness and glossy level	• Totally non yellowing
• Good flowing and build	•

Versions:

90M790	90 gloss clear	90M790/ C02	90 gloss white		
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Recommended use:	• Flat parts	• Furniture components	•
Application method:	by spray: conventional air gun, airmix.		
Product preparation:	add hardener YC M403 at 50%; alternative hardener YCM404 between 40% and 50%. According to the viscosity requested after catalysis, dilute with tap water from 10% to 40% maximum.		

Chemical-physical properties (23 °C)

	clear	white
Solid content comp. A (%)	27 ± 1	37 ± 1
Specific weight (g/cm ³)	1,030 ± 0,030	1,170 ± 0,030
Viscosity DIN 6 (s)	15 ± 5	
pH	7,5- 8,5	

Application properties

Vertical hold (µm wet)	120
Recommended n° of coats	1
Interval between coats	-
Spreading rate (m ² /litri)	7 - 10

General remarks on the application system

Drying at 20°C and RU% between 45 and 65: 120 g/m ²		Forced drying: 120 g/m ²	
		Temperature	Time
Dust free	30 minutes	Flash Off	30 °C 30 minutes
Handling	4 h	Laminar air	45 °C 4 h
Overcoating	12 h	Cooling	20 °C 30 minutes
Stackable	24 h	Stackable	12 h

Substrate preparation: sand very carefully the basecoat with 600-1000 paper grit- YO 90M790/ XXX can be applied on waterbased basecoat even if best brilliancy results are granted by application on a PE basecoat

Application instructions: Mix the two components very well, letting it rest 1-2 minutes after mixing and before application.

To obtain the best results, it is recommended to choose the best application conditions which allow maximum atomization, avoiding too many coats which tend to "burn" the topcoat.

For the application of two coats "wet on wet" it is necessary to perform a good passivation (drying for at least 5-6 hours) of the first coat, applied in low quantity and diluted at least at 10%, before proceeding with the application of the second coat which must be applied in slightly bigger quantity.

Drying should be carried out in areas with reduced air ventilation for at least 30-60 min. (to allow gloss degassing) and then in areas with room temperature up to 40°-50° C and good ventilation to ease product's hardening which is carried out after 12-24 hours. If room temperature is lower than 15-20°C, prolong drying time over the 24h

Polishing: topcoat YO 90M790/ XXX can be polished with conventional polishing tools used for PU topcoats . After application of product, allow to dry at least 36 h before sanding with 1200-1600 grit paper, then apply polish wax.

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 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 overs (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 litres
Eliminate craters/cissing caused by environment pollution	AY M401	0,1 – 0,3	50 - 125