



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

# YO xxM785/ XXX

Two-pack water-based topcoat for interiors

## Main properties:

<ul style="list-style-type: none"> <li>Excellent hardness and touch feeling</li> <li>Base for getting any lacquered color</li> </ul>	<ul style="list-style-type: none"> <li>Excellent sheen level uniformity</li> </ul>
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## Versions:

<b>05M785/ SBN</b>	05 gloss white	<b>05M785/ NTR</b>	05 gloss neutral	<b>10M785/ SBN</b>	10 gloss white
<b>10M785/ NTR</b>	10 gloss neutral	<b>15M785/ SBN</b>	15 gloss white	<b>15M785/ NTR</b>	15 gloss neutral
<b>20M785/ SBN</b>	20 gloss white	<b>30M785/ NTR</b>	30 gloss neutral	<b>30M785/ SBN</b>	30 gloss white
<b>50M785/ NTR</b>	50 gloss neutral	<b>50M785/ SBN</b>	50 gloss white	<b>80M785/ SBN</b>	80 gloss white

<b>Recommended use:</b>	<ul style="list-style-type: none"> <li>General use</li> <li>Furniture</li> <li>Doors</li> </ul>
<b>Application method:</b>	Spray: conventional air gun, airless, airmix (if suitable for water-based products).
<b>Blending instructions:</b>	Add hardener <b>YC M403</b> at 4 - 10%. If necessary, thin with small quantity of tap water.
<b>Alternative blending instr:</b>	Add hardener <b>YC M404</b> and/or <b>YC-M402</b> at 4 - 10%. <b>YC M401</b> at 4 - 10%. By using this hardener you will obtain a matter topcoat.

## Chemical-physical properties (23°C)

	Neutral	White
Solid content (%)	29 ± 3	37 ± 3
Specific weight (g/cm <sup>3</sup> )	1,034 ± 0,030	1,180 ± 0,030
<b>All glosses: Viscosity DIN 8 (s)</b>	42 ± 5	22 ± 5
pH	7 - 8.5	

## Application properties

Vertical hold (wet µm)	150
Recommended N° of coats	1
Recommended quantity per coat (g/m <sup>2</sup> )	min: 100 max: 150
Interval between coats	-

## General remarks on the coating system

Drying at 20°C and RH% 45 - 65: 120 g/m <sup>2</sup>	
Dust free	30 minutes
Handling	4 h
Overcoating	-
Stackable	16 h

Forced drying: 120 g/m <sup>2</sup>		
	Temperature	Time
Flash Off	25 °C	30 minutes
Laminar air	45 °C	2 h
Cooling	20 °C	30 minutes
Stackable	4 h	

**Substrate preparation:** Carefully sand the substrate with 320 - 400 grit paper. **YO xxM785/ XXX** can be applied on water-based, PE, UV and PU basecoats. We recommend not applying it on nitro basecoats or acid catalyzed basecoats.

**Glass:** Carefully clean the surface with **AG---M500** avoiding marks, grease or fat spots and water drops. Apply the product catalysed with **YC M403** or **YC M404** at 10%, but it must not be cross-linked with YC M419, as the cleaning with AG---M500 guarantees an optimal adhesion.

**Application instructions:** To obtain the best results, avoid thinning with tap water and chose application methods that allow a better atomization of the product. Please find below suggestions for spray application:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional 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) ensure better application constancy whatever it is the ambient room. 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:** Use water-based pigmented pastes **EY M460/XXX** or **EY M690/XXX**. **YO XXM785/ NTR** can be pigmented up to 18%. White version **SBN** can be pigmented up to 4% only. We recommend carefully reading the pastes' TDS for technical information concerning build, light-resistance, etc.

**Remarks:** By using the **NTR** version, the viscosity properties may vary according to the color composition. The best viscosity is around 20-30 seconds with DIN 8 cup. To get this result, check the viscosity and, if necessary, add tap water or thixotropic modifier **AY M453** that has to be added slowly under stirring.

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, 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 leftovers (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
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## TECHNICAL DATA SHEET

Version 17 dated 18/02/2021

		%	Grams for 25 litres
Slow down drying time	AY M444	1 - 2	250 - 500
Increase thixotropy or viscosity	AY M453	0,1 – 1	25 - 250
Eliminate craters/cissing caused by environment pollution	AY M457	0,2 – 1	50 - 250