TECHNICAL DATA SHEET **Version 13 dated 23/04/2024**

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40061 MINERBIO (BO)

YO xxM750

Waterborne clear one – two pack topcoat

Mani properties:

• **Excellent hardness and touch feeling**	• **Excellent matt level uniformity**
• **High level of transparency**	• **Easy to apply**

Versions:

00M750	2 gloss clear
15M750	15 gloss clear
35M750	35 gloss clear
70M750	70 gloss clear

05M750	5 gloss clear
20M750	20 gloss clear
40M750	40 gloss clear

10M750	10 gloss clear
30M750	30 gloss clear
50M750	50 gloss clear

Recommended use:	• Kitchen doors	• Panels	• glass
Application method:	by spray		
Product preparation:	**To apply on waterborne basecoat:** ready to use as one pack product. Only if necessary, thin with tap water. To increase chemical resistance add 4% agent YCM410. If used as two pack product, add hardener YCM402 YCM434 or **YCM404** at 5-10% ratio, if necessary, thin with tap water **To apply on glass surface:** add YC M419 (we suggest to previously blend YCM419 with same quantity of water) at 2% ratio while mixing for 1-2 min with mixer. Then let product rest for some minutes before its us, so that foam can be released. Pigmented pastes, powders and dyes must be perfectly dispersed into product otherwise final result may be compromised. If particles are not well dispersed proceed with filtering.		

Chemical-physical properties (23 °C)

Solid content (%) *YO 00M750* Solid content	30 ± 1 20 ± 1
Specific gravity (g/cm^3)	1,020 ± 0,030
Viscosity DIN 6 (s) *YO 00M750* Viscosity	Winter 40 ± 7 Summer 60 ± 7 65 ± 10
Viscosity DIN 8 (s) *	20 ± 5
pH	tra 8 e 8,5

**Viscosity DIN 8 has not been checked during testing*

Application properties

Vertical hold (µm wet)	120
Recommended n° of coats	1
Recommended quantity per coat (g/m^2)	min: 60 max: 140
Spreading rate (m^2/litri)	8 - 14

General remarks on the application system

Drying at 20°C and 45 – 65 RU% : 120 g/m^2	
Dust free	45 minutes
Handling	1,5 hours
Overcoating	-
Stockable	24 hours

Forced drying: 120 g/m^2		
	Temperature	Time
Flash Off	30 °C	10 minutes
Laminar Air	45 °C	45 minutes
Cooling	20 °C	10 minutes
Stackable	Immediately after downloading from tunnel	

Substrate preparation:
***Wood treated with basecoat*:** Sand basecoat with 320-400 paper grit. **YO xxM750** can be applied on waterborne PE or UV basecoats. Its application on Nitrocellulose and Polyurethane base coats is not recommended
***Glass surface*:** clean very well and avoid making fingerprints, oil stains, water drops.

Application instructions: To obtain the best result, avoid adding tap water. It is recommended to choose the most suitable gun set-up. Below are some guidelines for spray application :

	Thinning ratio %	Nozzle	Air Press.	Coating Press.
Conventional gun	2 - 4	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 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.

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
- Room, product and substrate temperatures must be above 15°C, during application. 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 of 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**
Create a satin effect	**AY M465**	1 - 4	250 - 1000
Create a sand effect	**AY M466**	1 - 4	250 - 1000
Eliminate craters/cissing caused by environment pollution	**AY M457**	0,2 – 1	50 - 250

Printed on 23/09/2024

/ DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. HOWEVER THE RESPONSIBILITY OF FINAL RESULTS OF COATING SYSTEM RESTS ENTIRELY WITH THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT IS IN COMPLIANCE WITH THE REQUIREMENT OF THE APPLICATION SYSTEM, THE SUBSTRATES USED AND THE WORKING CONDITIONS.