# **TECHNICAL DATA SHEET**

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

# YO 05M585/-----

Waterbased topcoat soft touch effect

## Version 03 of 22/03/2016

<ul> <li>Excellent elasticity and soft touch effect</li> </ul>			<ul> <li>High matting uniformity</li> </ul>		
• Bi-c	omponent prod	lucts			
sions:					
1585	05 gloss cle	ar			
gested us	se:	To give the suppor	rt a soft touch effect		
lication m	nethod:	by spray: conventional air gu suitable for waterbased produ	un, airmix, airless, electrostatic (provided that the equipment used is ducts)		
duct prep	ct preparation: add hardener YCM403 at 6-10 % or as alternative YCM402/				

	Transparent		
Solid content (%)	30 ± 2 Clear	Vertical application (µm wet)	120
Specific weight (g/cm <sup>3</sup> )	$1,03 \pm 0,020$	Recommended n. of coats	1 coat
Viscosity DIN 8 (s)	25 ± 5	Recommended quantity per coat (g/m <sup>2</sup> )	min: 140 max: 170
Viscosity Brookfield (mPas)	-	Interval between coats	-
pН	7 - 8,5	Spreading rate (m <sup>2</sup> /litres)	7 - 10

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General remark on coating system							
Drying at 20°C and RU% b	etween 45 and 65: 120 g/m <sup>2</sup>		Forced dyring: 100 g/r	n²			
Dust free	2 hours		Temperature	Time			
Handable	6 h	Flash Off	30°C	15 minutes			
Overcoatable	-	Laminar air	45 °C	40 minutes			
stackable		Cooling	20°C	15 minutes			
		Stackable	-	-			

Substrate preparation: Clean the support with 280-320 grit paper or specific detergents. YO 05M585 may be applied on waterbased								
coatings. For all other supports a preliminary check of adhesion and overcoating must be carried out.								
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 ratio %	Nozzle	Air pressure	Coating pressure				
Conventional spray gun	2 - 4	2 - 2,2	3 - 4					
Air mix		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).

For further information and coating systems with our range 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 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	۸dd	% of use		
	Add	%	Grams for 25 liters	
If the topcoat dries too quickly	AY M450	1 - 2	250 - 500	
To improve thixotropy and viscosity of the product	AY M453	1 - 2	250 - 500	
If craters/cissing from environmental pollution occur	AY M457	0,2 – 1	50 - 250	
To improve chemical resistance of the film	YC M419	1 - 2	250 - 500	

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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.