



Technical Data Sheet

Product	TO00 SheenSeries		
Description	Clear polyurethane top-coats		
Color	Clear		
Chemical-physical Properties			
CODE	Density (Kg/l)	Density (lb/US gal)	Solid content %
TO00	0,975 ± 0,030	8,1 ± 0,3	45,0 ± 2
TO01	0,975 ± 0,030	8,1 ± 0,3	43,0 ± 2
TO02	0,975 ± 0,030	8,1 ± 0,3	43,0 ± 2
TO03	0,975 ± 0,030	8,1 ± 0,3	45,0 ± 2
TO04	0,986 ± 0,030	8,2 ± 0,3	45,0 ± 2
TO05	0,992 ± 0,030	8,3 ± 0,3	46,0 ± 2
TO06	0,990 ± 0,030	8,3 ± 0,3	47,0 ± 2
TO07	0,987 ± 0,030	8,2 ± 0,3	48,0 ± 2
(series average values)	Viscosity (EN ISO 2431) ISO 6 cup	33 ± 3	
USAGE INDICATIONS			
Additional products		Quantities	
Hardener	TX24	In weight w/w %	50
		In volume v/v %	50,8
	Solid content %	23,5 ± 2	
Thinner	TZ33	In weight w/w %	20
		In volume v/v %	22
READY TO USE PRODUCT PROPERTIES (AVERAGE)			
	Solid content 1st + 2nd component (%)	37,8 ± 2	
	Pot-Life - mixture (maximum pot-life of the product prepared according to usage indications)	4 h	
	Viscosity (Ford 4 cup)	16 ± 2	



Code/Sheen	CODE	Sheen level EN ISO 2813 (angle measurement 60°)			
		applied micron: 150			
		Wet Mils: 5,9			
	TO00	Sheen	100	±	5
	TO01	Sheen	75	±	5
	TO02	Sheen	55	±	4
	TO03	Sheen	40	±	3
	TO04	Sheen	30	±	2
	TO05	Sheen	20	±	2
	TO06	Sheen	15	±	1
	TO07	Sheen	7	±	1
Application		Quantities			
	Airmix spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,2
	Robot spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,2
	Hand spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,2
PRODUCT PROPERTIES AFTER APPLICATION					
Drying					
	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying		18	h	
	Dust free		20	min	
	Touch dry		55	min	
	Hard dry		18	h	
	Hot air drying		(Time and temperature according to the drying system in use)		
Additional products		Quantities			
Hardener	TX50	In weight w/w %			50
		In volume v/v %			49,7
	Solid content %	24,0	±	2	
Thinner	TZ33	In weight w/w %			20
		In volume v/v %			22
READY TO USE PRODUCT PROPERTIES (AVERAGE)					
	Solid content 1st + 2nd component (%)		38,0	±	2
	Pot-Life - mixture (maximum pot-life of the product prepared according to usage indications)		4	h	
	Viscosity (Ford 4 cup)		16	±	2



Code/Sheen	CODE	Sheen level EN ISO 2813 (angle measurement 60°)			
		applied micron: 150			
		Wet Mils: 5,9			
	TO00	Sheen	100	±	5
	TO01	Sheen	70	±	4
	TO02	Sheen	50	±	3
	TO03	Sheen	35	±	2
	TO04	Sheen	25	±	2
	TO05	Sheen	15	±	1
	TO06	Sheen	10	±	1
	TO07	Sheen	5	±	1
Application		Quantities			
	Airmix spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,1
	Robot spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,1
	Hand spray	gr/m ² min-max:	120	-	150
		Wet Mils min-max	4,9	-	6,1
PRODUCT PROPERTIES AFTER APPLICATION					
Drying					
	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying		18	h	
	Dust free		15	min	
	Touch dry		45	min	
	Hard dry		18	h	
	Hot air drying		(Time and temperature according to the drying system in use)		
Additional products		Quantities			
Properties	Good Yellowing resistance				
Hardener	TX72	In weight w/w %	50		
		In volume v/v %	50,8		
	Solid content %	25,0	±	2	
Thinner	TZ33	In weight w/w %	20		
		In volume v/v %	22		
	Solid content 1st + 2nd component (%)	38,3	±	2	
	Pot-Life - mixture (maximum pot-life of the product prepared according to usage indications)		3	h	
	Viscosity (Ford 4 cup)	16	±	2	



Application	Quantities	
	Airmix spray	gr/m ² min-max: 120 - 150
Robot spray	gr/m ² min-max: 120 - 150	Wet Mills min-max 4,9 - 6,2
Hand spray	gr/m ² min-max: 120 - 150	Wet Mills min-max 4,9 - 6,2
PRODUCT PROPERTIES AFTER APPLICATION		
Drying	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying	18 h
	Dust free	15 min
	Touch dry	45 min
	Hard dry	18 h
	Hot air drying	(Time and temperature according to the drying system in use)
Shelf life	24 months after production	



WARNINGS

In a coating process with professional products:

- besides the product quality, the final result also depends on numerous other variables, such as environmental conditions; homogeneity in the quality of the support; the constancy of the application cycle; the plants performance; the proper use of the product, etc.
- in the process of industrial coating a certain waste of product is to be considered normal and therefore not attributable to product quality
- The final colour is influenced by the quality and preparation of the support and the conditions of application, for this reason it is essential to check in advance the result in terms of final use

Our Company cannot ensure the control of the coating process carried out by the user. We cannot, therefore, take on any responsibility for the final result achieved through the use of our products. On the other hand, we guarantee the consistency of the chemical and physical characteristics of the product indicated in the relevant Technical Data Sheet, pledging to replace it if it does not correspond to the declared features. Data on the chemical and physical characteristics of the product are recorded at 20°C / 68°F and 70% R.U.

For best results, the optimum conditions of application are:

- Ambient temperature between 18 and 22°C (64 - 72 °F)
- ambient relative humidity between 65 and 70%
- support humidity between 8 and 14%

The conditions to be observed scrupulously are:

- A solvent-based product should be stored indoors at temperatures not below 0 °C / 32°F or above 35 °C / 95°F, in a properly ventilated place, not exposed to solar radiation
- Always shake the products well before use
- Before use, always shake well the product mixed with any other components such as catalysts, accelerators, thinners
- The application must not take place at a temperature lower than 15 °C / 59°F or above 30°C / 86°F
- The drying should not take place at a temperature below 15 °C / 59°F
- The ambient relative humidity during drying should be between 50% and 70%
- To decant paints, exclusively use containers made of suitable material, such as polyethylene and stainless steel
- After use, we recommend that you always close the can carefully

The end result of the coating cycle is the sole responsibility of the users, who must make sure that the product matches their needs and that environmental conditions, application or media specifications do not require substantial changes of use

It is the user's responsibility:

- Adhere to the conditions indicated above
- comply with the rules of hygiene and safety during product application, according to the descriptions given in the safety data sheets
- for solvent-based products spark-proof equipment should be used
- It is forbidden to smoke while using the product

At the bottom of each sheet there is a date of validity

The Company invites you to check with their staff that the product data sheet in your possession is the most updated, since the characteristics of the products are subject to adjustments over time

For more information, please contact (see below):

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