



Technical Data Sheet

PRODUCT	LHR glossy Kromosystem
TECHNICAL DEFINITION	PIGMENTED GLOSSY PU TOP-COAT. HIGH GLOSS, EXCELLENT HIDING POWER, GOOD SURFACE HARDENING AND EXCELLENT FULLNESS.
MAIN FIELDS OF APPLICATION	Spray applications on flat surfaces, or on assembled furniture, on chairs and different objects.

CHEMICAL-PHYSICAL PROPERTIES				
Solid content I component		Specific gravity	solid content (MU 591)	viscosity CF4
Viscosity (REGULATION)	LHR 10 white	1,271 ± 0,01	68,5% ± 1%	60" ± 2"
	LHR 20 lemon yellow	1,028 ± 0,01	56,7% ± 1%	60" ± 2"
	LHR 30 gold yellow	1,024 ± 0,01	55% ± 1%	40" ± 2"
	LHR 35 OX YELLOW	1,155 ± 0,01	56,7% ± 1%	50" ± 2"
	LHR 40 GREEN	1,024 ± 0,01	55% ± 1%	50" ± 2"
	LHR 50 RED	1,016 ± 0,01	54,8% ± 1%	50" ± 2"
	LHR 55 OX RED	1,175 ± 0,01	57,5% ± 1%	50" ± 2"
	LHR 60 BORDEAUX	1,018 ± 0,01	55% ± 1%	50" ± 2"
	LHR 70 VIOLET	1,010 ± 0,01	54% ± 1%	50" ± 2"
	LHR 80 BLEU	1,015 ± 0,01	50,7% ± 1%	50" ± 2"
	LHR 90 BLACK	1,018 ± 0,01	57% ± 1%	50" ± 2"

PRODUCT USE		
	In weight	In volume
Catalysis (code)	50% LNB 50	
Dilution (code)	LZC 70	

FEATURES OF READY TO USE PRODUCT	
Solid content I + II component	
Pot-Life	
Viscosity (CF4)	39" ÷ 2"
Gloss level	

APPLICATION	QUANTITIES	DILUTION
Spray	150 gr/m2	20-40%
Electrostatic spray		
Curtain		
Dipping		
Brush/roller		

PRODUCT PROPERTIES AFTER APPLICATION

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Drying schedule at room temperature	
Drying with hot air tunnel	
Dust free/time gel	30'
Touch dry	4 h
Hard dry	36 h
Sandable after (time)	
Time between layers without sanding	3-5 h
Time between layers	
Overcoatable with top-coat after (min / max)	

REMARKS

RACCOMANDE COATING SCHEDULES

- a) - SUBSTRATE Medium Density, different kind of wood
- BASE COAT 1 - 2 hands LPA-VBA-LRR series- PU sealer
- TOP COAT 1 - 2 hands LHR 10 – 90 series- glossy Kromosystem
- b) - SUBSTRATE Medium Density, different kind of wood
- BASE COAT 2 - 3 hands LBR series – pigmented PU sealer
- TOP COAT 1 - 2 hands LHR 10 – 90 series- glossy Kromosystem

- The percentages indicated for second components and thinners are always intended on a weight
- The various base colors are blending in any proportion in order to obtain a specific color.
- To obtain an high not-yellowing resistance, for the pastel and white colors (obtained with LHR 20-90 series) it is suggested to use the LHR10 catalyzed at 50% with LNB110.
- We would like to point out that due to the organic nature of pigments used in LHR 20 (yellow lemon), LHR 30 (yellow gold) LHR 40 (green), LHR 50 (red), LHR 60 (bordeaux), LHR 70 (violet) and LHR 80 (blue), coatings based purely on these pigments possess poor hiding power. We advise to use them together with other pigments. Where they must be used by themselves, it becomes necessary that the base coat be pigmented in the same approximate color.
- The time between coats without sanding is between 3 and 5 hours. With the help of slight sanding operation, the second coat can be applied even after one or two days.
- To obtain a correct hardening we suggest to work in rooms with temperatures above 18°C; with lower temperatures the technical features of the products could be changed
- Even if the pot-life is 3h at 20°C (min), to obtain better gloss and flow results we recommend to use products prepared within 1 hour.
- To obtain the best possible overall results, it is advisable to use pigmented polyester coatings as the base coat, sanded with 280 and 400 sandpaper.
- Generally the use of PU sealer gives lower results, with sag and removal phenomenon (immediately or later).
- The buffing and the polishing have to be done at complete hardening, it meanings from 3 to 7 days after, depend on the environment conditions.
- An optimal mechanic mixing of the products before use gives a good color replication.
- To obtain a good replication of color's formulations done with Kromosystem, we recommend to don't use old or expired products, because the colorimetric output could be different.

SHELF LIFE

8 months from delivery date.

Storage indications

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- Store in a tightly closed container and at room temperature 18-25°C, 64-75°F and protect from moisture and foreign material.

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IMPORTANT: Since every single panel or any other substrate, even if of the same chemical nature, can be theoretically different then the previous one and posses chemical and physical properties which can greatly influence the end-results of the applied coating, and considering that the mixing, catalysis and diluting operations are not under our strict control, nor are temperatures, air humidity and technical features of the various installations, which can also effect the end-results, subject to our personal decision at the time of application, it is impossible for our Company to assume any responsibility whatsoever in regard to the results obtained with the use of our products.

Furthermore we underline the fact that in industrial applications, a tolerance of 5% in the overall results is considered normal and is definitely not caused by the quality of the products employed.

The technological information contained in the present technical data sheet are based on the average results obtained with the tests effects in our laboratories, and as such represents the most complete informant and technological experience available in the wood coating field.

Our company instead gives the maximum assurance as to the constancy of the chemical and physical properties of our products within the tolerance limits indicated on our technical data sheet. Our Company is also always ready to substitute any of our products, whenever the properties do not correspond to the information given in our technical bulletins.

Nevertheless, the end-results obtained are under the complete responsibility of the end-user, who has the obligation to verify if the properties of the specific products in use correspond to his particular requirements, and if the ambient conditions, application, installation and substrates might eventually indicate substantial modifications of the products involved.

All the information in our technical data sheet has been obtained at a temperature of 20° Centigrade and at a relative humidity of 70%.

At the bottom of our technical data sheet, You will find a date and a progressive number. We request You have your own personnel to control the edition in your possession as all technical information is always susceptible to eventual modification with the passage of time.

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