CHROMOS SVJETLOST®

Technical Data Sheet

HARDLUX PROFESSIONAL TOPCOAT

Topcoat for protection and decoration of metal surfaces

product description:	HARDLUX PROFESSIONAL topcoat is high gloss coating for the protection and decoration of metal surfaces based on alkyd resins.		
field of application:	HARDLUX PROFESSIONAL topcoat is used as a finish coat in the protection system of metal and wooden surfaces exposed to more difficult conditions of exploitation. The silver shade is intended for the protection and decoration of metal surfaces - it is not recommended for the protection of objects exposed to higher mechanical loads.		
assortment:	It is produced in 10 standard shades and by using tinting system *Top Mix*, it is possible to achieve wide range of shades from the Chromos-Svjetlost colour chart and many others charts on the market.		

properties:	The product is characterized by:
	    excellent mechanical properties
	    resistance to weathering, oil and mild chemicals
	    thermal stability up to 120 °C.		

thinner:	SYNTHETIC THINNER		
coating appearance:	It is characterized by a high gloss or matte appearance, depending on the customer's request.		
coverage:	9 – 11 m²/l in one layer on a smooth surface, with a dry film thickness of 30 μm		
density:	0.9 – 1.2 kg/l (depending on the shade) (EN ISO 2811-1)		
viscosity:	90 – 120 s (EN ISO 2431; DIN 4, 20 °C)		
non-volatile-matter content:	53 ± 5 % (by weight); 40 ± 5 % (by volume) – depending on the shade (EN ISO 3251)		
volatile organic compound (VOC) content:	A(i) 500 g/l; max: 499 g/l (EN ISO 11890-1)		
working conditions:	The temperature of the air, material and substrate during processing must be higher than +10 ° C, less than +25 ° C, and relative humidity less than 75 %.		
undercoat:	KEMOLUX AC metal primer / KEMOLUX FD primer / KEMOLUX UNIVERSAL AC FD primer / KEMODUR S primer / KEMEPOX WASH primer / KEMOCEL nitro primer for dry sanding / KEMOLUX ventilating primer		
application:	**Stir well before use!**		
	On the prepared surface (rust, grease and moisture removed), protected with a suitable primer, it is applied in two layers with a brush/roller with an overcoating interval of at least 12 hours or by spraying, using the "wet on wet" system in a period of 10-30 minutes or using the "wet to dry" after at least 12 hours.		
	If the overcoating interval is exceeded, it is necessary to roughen the surface to ensure adhesion between the coats. If multiple coats are applied, the minimum overcoat interval will depend on the actual film thickness and the number of applied coats. The substrate temperature must be at least 3 °C above the dew point. The paint temperature must be above 15 °C, otherwise it will be necessary to add more thinner to achieve application viscosity.		

	Brush/Roller	Air spray	Airless spray
Thinner %	5	15	5

	For any additional info, please contact a Chromos-Svjetlost technical advisor.
drying time:	- Touch dry (dry for manipulation): 1.5 – 2 h
	- completely dry: 24 h

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		- forced drying: 60 min/80 °C or 90 min/60 °C		
overcoating interval:				
		Primer	**Method of application**	**Overcoating interval**
	M	KEMOLUX AC metal primer	Brush / roller / spray	Min. 12 hours
	E	KEMOLUX UNIVERSAL AC FD primer	Brush / spray	Min. 20 min
	T A	KEMODUR S primer	Brush / spray	Min. 12 hours 10-30 min
	L	KEMEPOX WASH primer	Brush / spray	Min. 12 hours
	W O	KEMOCEL nitro primer for dry sanding	Brush / roller / spray	30 min
	O D	KEMOLUX ventilating primer	Brush / roller / spray	16 hours

transport and storage:	Store in a dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 °C.
shelf life:	In unopened packaging 60 months from the date of production.
certificates:	For each production batch, the relevant documentation is submitted.
product/packaging disposal:	Empty the packaging completely. Dispose of in accordance with valid regulations to an authorized waste collector.
quality control:	Product quality characteristics are determined by internal production specifications, as well as European and Croatian standards. The product is under the constant supervision of factory quality control Chromos-Svjetlost d.o.o.
disclaimers:	Technical values refer to basic products. Tinting the product may cause minor deviations in certain technical characteristics. Depending on the properties of the substrate and the method of application of the product, minor deviations in shade in relation to the tone chart are possible. The product shade should be checked on a small test surface before use, as we will not be able to accept any subsequent complaints.
	Before using the product, please check its quality. In case of any major deviations from the declared properties of the product, stop the use and contact the manufacturer; otherwise any subsequent complaints will not be accepted.
	Technical data are the result of our technical and experimental knowledge, and are provided with the intention of achieving optimal results in working with CHROMOS-SVJETLOST products. The data does not contain a legal or secondary obligation of the manufacturer nor does it release the user from the obligation to check the suitability of the product for particular purpose. Due to the use of natural raw materials in our products, minor deviations from certain values are possible for individual deliveries. Contact our Technical service before use on substrates not listed in the accompanying

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documentation. The manufacturer reserves the right to make any subsequent changes to the Technical Data Sheet. Only the latest edition is valid. Updated Technical Data Sheets can be found on the website www.chromos-svjetlost.hr or can be requested from the manufacturer via the contact e-mail address below. Contact our Technical service for more detailed information. Be sure to read the safety labels on the product packaging before use. Safety Data Sheet is available on request.

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Quality and Environmental management systems certified in accordance with TÜV NORD Croatia;
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