

Technical Data Sheet

HARDLUX HB

Topcoat



product description: HARDLUX HB topcoat is one component high-build topcoat based on urethanized alkyd resin.

HARDLUX HB topcoat has excellent coverage, long-term retention of gloss and colour shade as well as possibility of application at lower temperatures and thermal stability up to 100 °C.

It can be used in alkyd systems for anti-corrosion protection of different kind of metal constructions.

assortment: Wide range of shades by applying the Top Mix system for tinting CHROMOS-SVJETLOST.

coating appearance: Semi-matte

density: 1.0 – 1.2 kg/l (EN ISO 2811-1)

thinner: SYNTHETIC THINNER

non-volatile-matter content: **by weight:** 64 ± 2 %
by volume: 50 ± 2 % (EN ISO 3251)

volatile organic compound (VOC) content: A(i) 500 g/l; max: 499 g/l (EN ISO 11890-1)
drying time:

Substrate temperature (°C)	touch dry (hours)	completely dry (hours)	overcoating interval	
			min. (hours)	max. (days)
5	3	12	32	-
10	2.5	6	16	-
20	2	4	8	-
30	1.5	3	4	-

film thickness and spreading rate:

	dry film thickness (µm)	wet film thickness(µm)	theoretical spreading rate (m ² /l)
application range	50 – 100	100 – 200	10.0 – 5.0
typical	80	160	6.3

working conditions: **air temperature:** min. +5 °C
relative humidity: max. 85 %
substrate temperature: min. 3 °C above dew point

substrate preparation: Substrate previous protect with coat of primer or intermediate must be cleaned, degreased and dried.

coating application: **Stir well before use!**

Coating can be applied with airless spray, brush or roller.

Airless spray application requires coating temperature of 15 °C or higher. Pressure at

Technical Data Sheet

HARDLUX HB

Topcoat



nozzle of 15 MPa, nozzle width of 0.017" to 0.021" (0.43 to 0.53 mm) and spray angle of 30° to 80°, always check to ensure that filters are clean!. Airless settings are informative character and they may be adjusted if needed.

Brush or roller application requires multiple layers to achieve optimal film thickness and is therefore recommended for application on smaller areas.

Interval of dry film thickness may vary depending on field of use which may alter spreading rate, as well as overcoating interval.

After use, close can and thoroughly wash working tools with the aforementioned thinner.

For any additional info, please contact a Chromos-Svjetlost technical advisor.

shelf life: In unopened packaging 24 months from the date of production.

transport and storage: Store in the original sealed packaging, in dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 °C.

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.

certificates: For each production batch, the relevant documentation is submitted.

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 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.

December, 2021.

Quality and Environmental management systems certified in accordance with TÜV NORD Croatia;
Certificate No: 44 100 134668 / 44 104 134668

