

Technical Data Sheet

HARDLUX metal effect topcoat

Topcoat for protection and decoration of metal surfaces



product description:	HARDLUX metal effect topcoat is a finish coat for the protection and decoration of metal surfaces. It is pigmented using micaceous iron oxide (MIOX) to achieve a special texture.
field of application:	HARDLUX metal effect topcoat is used as a protective and decorative metal coating for achieving the appearance of wrought iron.
assortment:	Black, grey and anthracite
properties:	The product is characterized by: excellent mechanical properties resistant to weathering, oil and mild chemicals thermal stability up to 120 °C.
thinner:	SYNTHETIC THINNER
coating appearance:	Metal effect and fullness of the film.
coverage:	10 – 12 m ² /l in one layer, with a dry film thickness of 40 µm
density:	1.5 – 1.7 kg/l (EN ISO 2811-1)
viscosity:	50 – 120 s (EN ISO 2431; DIN 6, 20 °C)
non-volatile-matter content:	78 ± 3 % (by weight), 53 ± 3 % (by volume) depending on the shade (EN ISO 3251)
volatile organic compound (VOC) content:	A(i) 500 g/l; max: 470 g/l (EN ISO 11890-1)
working conditions:	The temperature of the air, material and surface during processing must be higher than +10 °C, less than +25 °C, and relative humidity less than 75 %.
undercoat:	KEMOLUX AC metal primer KEMOLUX UNIVERSAL AC FD metal primer KEMODUR S metal primer KEMEPOX WASH primer (for galvanized and copper surfaces)
application:	HARDLUX metal effect topcoat is applied by spraying, in two layers with an overcoating interval not less than 16 hours, on surfaces previously protected with an appropriate metal primer. Brush and roller application, in two layers, is possible only on smaller surfaces previously protected with the appropriate primer. It is diluted by 5 - 15% thinner, depending on application type. Hardlux metal effect topcoat of different production batches must be equalized before application. For any additional info, please contact a Chromos-Svjetlost technical advisor.
drying time:	Touch dry: 2 – 3 hours completely dry: 16 – 24 hours
overcoating interval:	Min. 16 hours, at optimal working conditions, 18 – 22 °C, relative humidity 40 – 75 %. Room temperature must be above 12 °C.
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 36 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.

Technical Data Sheet

HARDLUX metal effect topcoat

Topcoat for protection and decoration of metal surfaces



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: 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 surfaces 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.

October, 2021.

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

