

Technical Data Sheet

HARDLUX metal effect DIRECT DTM topcoat

anti-corrosion coating for protection of metal surfaces



product description:	HARDLUX metal effect DIRECT DTM topcoat is an anti-corrosion coating for protection and decoration of metal surfaces. It is pigmented using micaceous iron oxide (MIOX) to achieve special texture.
field of application:	Protection and decoration of metal surfaces.
assortment:	Black, grey, anthracite, copper and gold
properties:	The product combines the best properties of primer and top coatings. Due to its anti-corrosion properties, it can be applied directly onto rusted metal, steel, aluminium and to all kinds of old coatings, which are still in good condition and show good adhesion.
thinner:	SYNTHETIC THINNER
coating appearance:	Metallic effect and fullness of the film.
coverage:	10 – 12 m ² /l in one layer, with a dry film thickness of 40 µm
density:	1.2 – 1.4 kg/l (depending on the shade) (EN ISO 2811-1)
viscosity:	95 – 110 s (EN ISO 2431; DIN 6, 20 °C)
non-volatile-matter content:	70 ± 3 % (by weight); 50 ± 3 % (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 surface during processing must be higher than +10 °C, less than +25 °C, and relative humidity less than 75 %.
surface preparation:	Apply to sanded and surfaces cleaned of coarse particles of rust. The sanded surface must be degreased with a suitable thinner or ethanol. The coating should be applied to the dry surface after evaporation of the mentioned solvents. Smooth surfaces such as aluminium must be sanded to ensure good coat adhesion.
application:	Before use, mix well in original packaging! Different production batches of HARDLUX metal effect DIRECT DTM topcoat must be cross mixed before use. Coating is applied by spray, brush or roller. On well prepared surface apply 2 coats of the topcoat. For protection of metal surfaces in aggressive environments, one coat of HARDLUX HB primer is recommended. Kemodur S primer or Kemepox Wash primer must be used as a first coat in the protection of galvanized or cooper surfaces. For the best result in process of surface protection remove all free and large rust particles, grease and moisture. NOTE: A different optical effect is possible due to the strokes of the brush/roller during application of HARDLUX metal effect DIRECT DTM topcoat with a brush or roller; so it is necessary to apply the coating in same direction. For any additional info, please contact a Chromos-Svjetlost technical advisor.
drying time:	Touch dry: 4 – 6 hours completely dry: 24 hours
overcoating interval:	Min. 6 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 60 months from the date of production.
certificates:	For each production batch, the relevant documentation is submitted.

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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:	<p>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.</p> <p>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.</p> <p style="text-align: right;">October, 2021. Quality and Environmental management systems certified in accordance with TÜV NORD Croatia; Certificate No: 44 100 134668 / 44 104 134668</p>

