

Technical Data Sheet

HARDLUX HAMMERSCHLAG effect topcoat

anti-corrosion decorative coating for metal and wood



product description:	HARDLUX HAMMERSCHLAG EFFECT TOPCOAT is fast-drying anticorrosive decorative coat for metal and wood based on modified alkyd resin, organic/inorganic pigments and silicone additives.
field of application:	Anticorrosive and decorative coating for metal as well as decorative wood coating.
assortment:	12 standard colour shades according HARDLUX colour card.
properties:	The product is characterized by: excellent mechanical properties weather resistant resistant to oils and weak chemicals
thinner:	HARDLUX hammerschlag thinner
coating appearance:	Glossy with hammerschlag effect.
coverage:	4 – 5 m ² /l in one layer, with a dry film thickness of 30 – 40 µm
density:	0.90 – 1.15 kg/l (EN ISO 2811-1)
viscosity:	55 – 85 s (EN ISO 2431; DIN 6, 20 °C)
non-volatile-matter content:	56 ± 3 % (by weight); 49 ± 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 substrate during processing must be higher than +10 ° C, less than +25 ° C, and relative humidity less than 75 %.
substrate 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.
application:	Before and during use, mix well in original packaging! On a previous prepared surface, apply with a brush/roller (diluted with a maximum of 10 % thinner) and spray (diluted with 15-20 % thinner), in several thin coats especially on vertical surfaces, while respecting the respraying intervals. A total dry film thickness of 100 µm is recommended. Check coverage angles and edges (because of overcoating limitations)!
	Application on metal: Can be applied directly to the metal, but the durability of protection (especially non-ferrous metals - aluminium, copper...) has increased over one coat KEMODUR S / KEMEPOX WASH PRIMER before HARDLUX hammerschlag effect topcoat. HARDLUX hammerschlag effect varnish can be applied by spray 30 minutes after application of KEMODUR S / KEMEPOX WASH PRIMER. All layers have to be applied within 8 hours.
	Application on wood: To obtain the best effect, wood (especially softwood) must be previously coated with a layer of Kemocel primer for dry sanding and within 30 minutes sanded, dusted and protect with layer of Hardlux Hammerschlag effect varnish.
drying time:	For any additional info, please contact a Chromos-Svjetlost technical advisor. touch dry: 30 min completely dry: 9 h

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overcoating interval:	Next layer can be applied inside interval 30 minutes to 8 hours or after 6 weeks, at optimal working conditions, 18 – 22 °C, relative humidity 40 – 75 %.
transport and storage:	Room temperature must be above 12 °C. 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 24 months from the date of production.
remark:	Use only HARDLUX hammerschlag thinner for diluting and washing tools!
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:	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.

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