

Technical Data Sheet

AQUALUX TOPCOAT

topcoat for wood and metal



Description

AQUALUX TOPCOAT is a finish coating for wood and metal based on high-quality water-soluble acrylic resin, light-fast pigments, additives and water. It is characterised by good weather resistance, thermal stability up to 90 °C and compatibility with old coated surfaces.

Typical use

It can be used in combination with primer, for protection and decoration of metal and wooden surfaces.

Product range

				
RAL 1011 (L404)	RAL 1023 (L434)	RAL 3000 (L432)	RAL 5010 (L408)	RAL 6001 (L411)
				
RAL 7016	RAL 7040 (L406)	RAL 8017 (L405)	RAL 9005 (L413)	RAL 9005 (L413) mat

In addition to standard shades this product is also available in a wide range of shades via *Top Mix* tinting system by CHROMOS-SVJETLOST.

Coating appearance

Silky shiny, matte

Density

1.05 – 1.25 kg/l (EN ISO 2811-1)

Thinning

Water

Non-volatile-matter content

by weight: 30 – 50 %

by volume: 28 – 40 % (EN ISO 3251)

Volatile organic compounds content

VOC: A(d), 130 g/l; max. 20 g/l (EN ISO 11890-1)

Properties according to EN 13300

Gloss (EN ISO 2813)	silky shiny, matte
Largest grain size (granularity) (EN ISO 1524)	S1 (fine, <100 µm)
Wet scrub resistance (EN ISO 11998)	class 1

AQUALUX TOPCOAT

topcoat for wood and metal

Compatibility

Previous coats: AQUALUX primer for wood

AQUALUX primer for metal

Subsequent coats: -

Surface preparation

To achieve optimal protection of wooden surfaces, sanding and dusting off is recommended. Any old paint that is not properly adhered must be removed mechanically. The moisture content of the wood must not exceed 12%. Before applying AQUALUX TOPCOAT, it is recommended to apply AQUALUX wood primer (this does not apply to AQUALUX colourless topcoat), and it is mandatory for wood surfaces (oak, chestnut, pine) containing tannin. For external use, it is advisable to apply a coat of AQUALUX LAZUR BASE if fungicidal protection is desired, or ULTRA IMPREGNA if fungicidal and insecticidal protection is required. The surface must be lightly sanded before applying the lacquer.

For protecting metal, the surface must be sanded and degreased, and two coats of AQUALUX metal primer must be applied.

Safety measures

Read the Safety Data Sheet before use.

Keep out of reach of children. Prevent leakage and spillage into watercourses and drainage systems. Wear appropriate protective equipment when using.

Material preparation

Stir well before use!

Different production batches, as well as products tinted via Top Mix tinting system, must be cross-mixed before use.

Application

The coating can be applied by spraying, brush or roller in 2–3 coats, thinned by 15–20%, depending on the application method. Compatibility with existing or other coatings, except those listed, must first be tested on a small area. Protect the coating from water for the first two days after application. Wet cleaning is possible after two weeks from application. Immediately after use, close the container tightly and wash tools with water.

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

Working conditions

air temperature: min. +5 °C, max. +25 °C

relative humidity: max. 75 %

substrate temperature: min. +10 °C, max. +25 °C

Spreading rate and film thickness

	dry film thickness [µm]	wet film thickness [µm]	theoretical spreading rate [m ² /l]
typical	30	90	10 – 12

AQUALUX TOPCOAT

topcoat for wood and metal

Drying time

surface temperature [°C]	touch dry [h]	through dry [h]	overcoating interval	
			min. [h]	max. [d]
20	1 – 2	5	2 – 3	–*

* The maximum overcoating interval is unlimited when the surface before overcoating shows no signs of chalking or any other contamination. Otherwise it is necessary to mechanically clean, degrease and dry the surface beforehand.

Shelf life

5 years from production date in unopened package.

Storage conditions

Store in a dry and well-ventilated place out of direct sunlight and at a temperature between +5 °C and +25 °C. Protect from freezing during winter.

Product and packaging disposal

Empty the packaging completely. Dispose of in accordance with valid regulations.

Quality control

Product quality characteristics are determined by internal production specifications, as well as European and Croatian standards. The product is under constant supervision of factory quality control and a corresponding certificate can be issued upon request.

Disclaimers

Technical values refer to basic products. Tinting may cause minor deviations in certain technical characteristics. Depending on the properties of the substrate and the method of application, minor deviations from 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. Read the safety labels on the product packaging before use. Safety Data Sheet is available on request via e-mail: msds@chromos-svjetlost.hr.

O 8.3/2/1 | 30.09.2026.



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