

Technical Data Sheet

KEMOLUX UNI ANTI-CORROSIVE FAST-DYING METAL PRIMER



Description

KEMOLUX UNI AC FD metal primer is a one-component, thin-layer, fast-drying primer based on modified alkyd resin.

It is characterized by good mechanical properties, good adhesion to metal surfaces such as steel or aluminium, good coverage and thermal stability up to 120 °C.

Typical use

It can be used in alkyd anti-corrosion protection systems for various metal products of the metal processing industry and mechanical engineering or as a temporary protective layer on steel structures, boilers, etc. during their transport.

Product range



Gloss

matte

Density

1.45 – 1.55 kg/l (EN ISO 2811-1)

Thinning

Fast-drying paint thinner, Nitro thinner

Non-volatile-matter content

by weight: 70±2 %

by volume: 55±2 % (EN ISO 3251)

Volatile organic compounds content

VOC: A(i) 500 g/l; max. 450 g/l (EN ISO 11890-1)

Compatibility

Previous coats: -

Subsequent coats: KEMOLUX topcoat, KEMOLUX FD topcoat, KEMOCEL FD topcoat, KEMOCEL nitro topcoat, HARDLUX PROFESSIONAL topcoat, HARDLUX metal effect topcoat

Substrate preparation

Steel substrates should be sand blasted or shot blasted to Sa 2.5 and manual or mechanical cleaning to St 2 according to EN ISO 12944-4.

Aluminium and galvanized substrates should be lightly sanded and degreased.

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Safety measures

Read the Safety Data Sheet before use. Keep away from heat and ignition sources and 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!

Application

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

Airless spray application requires a coating temperature of 15 °C or higher and dilution with max. 5 % thinner. Pressure at nozzle of 150 bar, nozzle width of 0,011" to 0,017" (0,27 to 0,43 mm) and spray angle of 30° to 80°. Frequent filter cleaning is necessary. Recommended settings 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. It is recommended to dilute the coating with 5 – 10 % thinner.

Dry film thickness may vary depending on area of use which may alter spreading rate, drying and curing time as well as overcoating interval.

After use thoroughly wash tools with the aforementioned thinner.

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

Working conditions

air temperature: min. +5 °C

relative humidity: max. 85 %

substrate temperature: min. 3 °C above dew point

Spreading rate and film thickness

	dry film thickness [μm]	wet film thickness [μm]	theoretical spreading rate [m ² /l]
application range	30 – 70	55 – 125	18.3 – 7.9
typical	50	90	11.0

Drying time

surface temperature [°C]	touch dry [min]	through dry [h]	overcoating interval	
			min. [min]	max. [d]
5	40	3	25	—*
10	30	2	20	—*
20	20	1	15	—*
30	15	0,5	10	—*

* 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 clean the surface in order to enable suitable adhesion of subsequent coat.

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Shelf life

5 years from production date in unopened package

Transport and storage

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

Product and packaging disposal

Empty the packaging completely. Dispose of in accordance with valid regulations to an authorized waste collector.

Quality control

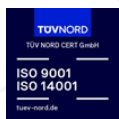
Product quality characteristics are determined by internal production specifications, as well as European and Croatian standards. The product is under constant supervision of factory quality control and a corresponding certificate can be issued upon request.

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. Read the safety labels on the product packaging before use. Safety Data Sheet is available on request via e-mail: msds@chromos-svjetlost.hr.

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Quality and Environmental management systems certified in accordance with TÜV Nord;
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