

## Technical Data Sheet

# KEMOLUX UNIVERSAL AC FD

primer



**description:** KEMOLUX universal AC FD is a one-component, thin-layer, fast-drying primer based on modified alkyd resin, which contains anti-corrosion pigments.

It is characterized by good mechanical properties, good adhesion to almost all types of metal surfaces, good coverage and thermal stability up to 120 °C.

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:** red, gray

**gloss:** matt

**density:** 1.45 – 1.55 kg/l (EN ISO 2811-1)

**thinner:** Fast-drying paint thinner, Nitro thinner

**non-volatile-matter content:** **by weight:** 70 ± 2 %  
**by volume:** 55 ± 2 % (EN ISO 3251)

**volatile organic compound (VOC) content:** A(i) 500 g/l; maks. 450 g/l (EN ISO 11890-1)  
**drying time:**

temperature (°C)	touch dry (minutes)	completely dry (hours)	overcoating interval	
			min. (minutes)	max. (days)
5	40	3	25	-
10	30	2	20	-
20	20	1	15	-
30	15	0,5	10	-

**film thickness and spreading rate:**

dry film thickness (µm)	wet film thickness(µm)	theoretical spreading rate (m <sup>2</sup> /l)
50	91	11

typical

**working conditions:** **air temperature:** min. +5 °C  
**relative humidity:** max. 85 %  
**substrate temperature:** min. 3 °C above dew point

**substrate preparation:** **Steel surfaces:**  
Sandblasting or shot blasting to Sa 2 and manual or mechanical cleaning to St 2 according to the EN ISO 12944-4 standard.

**Aluminium surfaces:**  
Light grinding and degreasing

Note: Using coatings with anti-corrosion pigments on structures that will be immersed during exploitation is not recommended.

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**application:** **Stir well before use!**

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

Airless spray application requires a coating temperature of 15 °C or higher and dilution of the coating with 15-20% thinner. Pressure at nozzle of 15 MPa, nozzle width of 0,021" to 0,031" (0,53 to 0,79 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 info, please contact a Chromos-Svjetlost technical advisor.

**shelf life:** 5 years in an original, unopened package

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

**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 of Chromos-Svjetlost.

**certificates:** A corresponding certificate is issued for each batch.

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

