

## Technical data sheet

# KEMOLUX universal AK BS

## Primer coating



<b>description</b>	<p>KEMODUR AK BS primer coating is a one-component thick-film primer coating based on urethane-modified alkyd resin that contains anti-corrosion pigments.</p> <p>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.</p> <p>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.</p>				
<b>range</b>	Oxide-red, grey				
<b>appearance</b>	matte				
<b>density</b>	1,4 – 1,6 kg/l (HRN EN ISO 2811-1:2016)				
<b>thinner</b>	Thinner for fast-drying paints, Nitro thinner				
<b>non-volatile compounds content</b>	<b>by weight</b> 70 ± 2 % <b>by volume:</b> 55 ± 2 % (HRN EN ISO 3251:2019)				
<b>volatile organic compounds content:</b>	<b>(VOC):</b> A(j) 500 g/l; max. 450 g/l (HRN EN ISO 11890-1:2008)				
<b>drying</b>	surface temperature( °C)	Touch dry (hours)	completely dry (hours)	recoat interval	
				min. (minute)	max (days)
	5	40	3	25	–
	10	30	2	20	–
	20	20	1	15	–
	30	15	0.5	10	–
<b>thickens and coverage</b>	<b>dry film thickness (µm)</b>		<b>wet film thickness (µm)</b>		<b>Theoretical coverage (m<sup>2</sup>/l)</b>
	recommended	30	55	18.3	
<b>work conditions</b>	<b>air temperature:</b> min. +5 °C				
	relative air humidity: max 85%				
<b>preparation of the surface</b>	<b>surface temperature:</b> min. 3 °C than the dew point				
	<p>To ensure optimal protection of iron surfaces, we recommend: Manual or machine surface preparation to Sa 2 and manual or mechanical cleaning up to ST1 according to HRN EN ISO 12944-4:2018.</p> <p>To ensure optimal protection of galvanized and aluminium surfaces, light sanding and degreasing is recommended.</p>				
<b>coating application</b>	<b>NOTE:</b> It is not recommended to use coatings with anti-corrosion pigments on structures that will be immersed during exploitation.				
	<b>Stir well before use!</b> The coating can be applied in 2 layers by airless spraying, immersion, brush or roller.				

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	<p>Application by airless spraying requires a coating temperature of 15 °C or higher and thinning of the coat with 15 -20 % of thinner. An output pressure of 15 MPa, a nozzle opening of 0.021" to 0.019" (from 0.53 to 0.79 mm), a jet angle of 30° to 80° and regular checking of the filter cleanliness are recommended. The data for airless spraying is given as a guideline and can be further adjusted if necessary.</p> <p>Brush or roller application requires multiple layers to achieve optimal coating thickness, so it is more suitable for smaller surfaces. It is recommended to dilute the coating with 5-10% thinner.</p> <p>The range of dry film thicknesses can change depending on the area of application of the coating which can lead to deviations from the stated coverage values and the recoat interval.</p> <p>After use, close the packaging well and thoroughly wash the used tools in the specified thinner.</p> <p>In case of any questions, contact the sales and technical advisor of Chromos-Svjetlost.</p>
<b>shelf life</b>	5 years from the stated date of production in unopened packaging
<b>transport and storage</b>	Store in original, factory-sealed packaging in dry and well-ventilated areas away from direct sunlight and at a temperature of +5 to +25 °C.
<b>disposal of leftover product and packaging</b>	Empty the packaging of its contents completely and dispose of it at a recycling yard. Legal persons must deliver the packaging I. The product as packaging waste to a licensed waste collector.
<b>quality control</b>	Product quality characteristics are determined by internal production specifications as well as European and Croatian standards. The product is under constant supervision of the factory quality control of Chromos-Svjetlost.
<b>certificates</b>	For each batch of the product corresponding certificate is being issued.
<b>general remarks</b>	The technical data are the result of our technical knowledge and experience, and are provided with the intention of achieving optimal results when working with Chromos-Svjetlost products. The data do not contain any legal or secondary obligation on the part of the manufacturer nor do they release the customer from the obligation to verify the suitability of the product for a specific purpose. Due to the use of natural raw materials in our products, minor deviations from certain values are possible during individual deliveries. When applying the product on surfaces that are not specified in corresponding documentation consult the manufacturer. The manufacturer reserves the right to make further changes to the technical data sheet. Only the latest version is valid. Updated technical data sheets are available at <a href="http://www.chromos-svjetlost.hr">www.chromos-svjetlost.hr</a> or can be requested from the manufacturer via the contact e-- mail listed below. For more detailed information, please contact our technical service. Before use, read the safety labels on the product packaging. Technical and Safety Sheets are available on request.

December 2021.

Quality and environmental protection management system certified by TÜV Croatia  
Certificate numbers: 44 100 134668 / 44 104 134668

