

Technical Data Sheet

KEMOPOL PLUS BIO SILICATE

Silicate paint for interior walls



product description:	Silicate paint for interior spaces. It is characterized by high covering power, vapor permeability and natural alkalinity that prevents the development of mould and bacteria. It does not contain softeners and preservatives, so it is suitable for people prone to allergies. It is resistant to dry scrubbing, but not to wet washing.									
area of application:	It is used on surfaces made of underlying lime-cement plasters, concrete, leveling compounds, fiber-cement and gypsum-cardboard boards, chipboard boards, structured wallpaper, as well as for surfaces with solid old coatings that need to be renewed.									
product range:	It is produced in white colour and by using tinting system <i>Top Mix</i> , it is possible to achieve wide range of shades from the Chromos-Svjetlost colour chart and many other on the market. Tinting is possible with the use of pigment preparations <i>Kemoton Strong</i> and <i>Kemoton Plus</i> .									
dilution:	Pure water, maximum up to 15%. Kemopol plus in deep tones is usually applied undiluted, exceptionally (depending on the shade) it can be diluted 1-2%.									
coverage:	5–6 m ² /l in two layers, depending on the absorbency and roughness of the surface.									
non-volatile-matter content:	70 ± 2 % (EN ISO 3251)									
density:	1.55–1.65 kg/l (EN ISO 2811-1)									
volatile organic compounds content (VOC):	A(a) 30 g/l; max. 1 g/l (EN ISO 11890-1)									
technical data according to EN 13300:	<table border="1"> <tr> <td>Max. grain size (granularity) (EN ISO 1524)</td> <td>Fine < 100 µm</td> </tr> <tr> <td>Wet scrub resistance (EN ISO 11998)</td> <td>Class 5</td> </tr> <tr> <td>Opacity (EN ISO 6504-3)</td> <td>Class 2 with declared spreading rate</td> </tr> <tr> <td>Gloss (EN ISO 2813)</td> <td>Matt</td> </tr> </table>		Max. grain size (granularity) (EN ISO 1524)	Fine < 100 µm	Wet scrub resistance (EN ISO 11998)	Class 5	Opacity (EN ISO 6504-3)	Class 2 with declared spreading rate	Gloss (EN ISO 2813)	Matt
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working conditions:	The temperature of the air, material and surface during processing must be higher than +5 °C and lower than +30 °C, and the relative humidity lower than 80 %. Low temperatures as well as high air humidity prolong the drying time and can change the shade unevenly. High temperature in summer shorten the open working time of the material.									
surface preparation:	The surface must be completely dry, smooth, clean, free of loose parts, dust, grease stains, mold and other foreign bodies. Before each painting, the surface must be inspected and its condition determined. All loose parts of the surface and old coatings should be removed. The resulting unevenness, depending on their depth, fill with suitable plasters or leveling compounds. New surfaces made of lime-cement mortars must be dried for a minimum of 14 days, levelling compounds for a minimum of one day per millimetre of thickness, and new concrete surfaces for a minimum of one month. Treat mould infested surfaces with biocide solution <i>Algenon</i> or <i>Algenon Plus</i> , then clean with a cloth or a brush using solution of universal cleaners. For rooms with higher concentrations of moisture use the biocide product <i>Algenon IN PROTECT</i> which is added to the paint. The most effective solution against the formation of mold is to eliminate the cause of their formation (regular ventilation, insulation of cold bridges, removal of moisture sources, waterproofing). Wash greasy and heavily soiled parts with solution of <i>Kalijev sapun</i> . Glossy and water-repellent coatings should be pre-roughened with sandpaper. New surfaces should be impregnated with <i>Simpra universal primer</i> and									

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	<p>when repainting old coatings with intense shades, it is necessary to apply an intermediate layer of <i>Simpra grundmix primer</i>. Apply Kemopol Plus Bio Silicate on a completely dry surface at least 6 hours after applying the impregnation, depending on the weather conditions.</p>
material preparation and application:	<p>Before use, mix the material in the original packaging with a slow rotating mixer. If necessary, dilute with water to the desired consistency for application, maximum 15%. The product is usable even at higher dilutions, but certain material properties can no longer be achieved (degree of gloss, opacity, degree of whiteness, abrasion resistance, etc.). Kemopol Plus Bio Silicate is applied with paint brush, paint roller (fibre length between 18-20 mm) or airless spray in two layers. When using a roller use a suitable paint roller net.</p> <p>The second layer is applied only when the previous one is completely dry (approx. 4–6 h). On one surface apply products from the same production batch. Different production batches, as well as products tinted in the Top Mix system, must be cross mixed before use.</p> <p>For use, prepare a quantity of the product that is sufficient to process one surface, store the rest in a well-sealed original packaging. Never store already diluted product! When applying the material by spraying, it is necessary to use protective equipment (goggles, respiratory protection, protective mask). To avoid visible joints and traces of a roller or brush, we recommend applying wet on wet, without interruption from one edge of the surface to the other. Subsequent repairs are not allowed. We recommend first applying the paint along the edges of the walls with a brush, then applying the paint with a roller while leveling the joint. Additional paint correction during the application is not allowed (dilution, addition of colorants, etc.).</p> <p>Wash the tool immediately after working.</p> <p>Adhere to the applicable construction standards when applying the products.</p> <p>For any additional info, please contact a Chromos-Svjetlost technical advisor.</p>
drying time:	<p>Intercoating interval 4–6 h (20 °C and relative humidity 65 %). Complete drying of coatings in 6-12 h (20°C and relative humidity 65%). The specified period may be extended depending on the weather conditions.</p>
surfaces maintenance:	<p>Dust the surfaces, clean with a dry cloth (Kemopol Plus Bio Silicate is not resistant to wet cleaning). On surfaces from which dirt or stains cannot be removed, it is necessary to perform restorative painting (new two-layer application of paint, see the surface preparation).</p>
safety measures:	<p>It is necessary to follow the general rules for construction works. Keep out of reach of children. Wear protective equipment. Read the product safety data sheet before use.</p>
transport and storage:	<p>Store in a dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 ° C. Protect it from freezing.</p>
shelf life:	<p>In unopened packaging 18 months.</p>
product/packaging disposal:	<p>Empty the packaging completely and hand over to the recycling yard. Dispose of in accordance with valid regulations to an authorized waste collector.</p>
quality control:	<p>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.</p>
disclaimers:	<p>Technical values refer to basic products. Tinting the product may cause minor deviations in certain technical characteristics. Depending on the properties of the surface and the method of application of the product, minor deviations in shade in relation to the tone chart are possible. The product shade should be checked on a small test surface before</p>

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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 surfaces 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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Quality and Environmental management systems certified in accordance with TÜV NORD Croatia;
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