

Technical Data Sheet

FASENA SILICATE

High-quality facade paint on a silicate binder



product description:	High-coverage silicate facade paint made of high-quality acrylic binder, UV-stable pigments, alkaline water glass and water-repellent additives. The silicate binder prevents salting out of carbonates on the surface, and the original appearance of the shade is maintained for a longer time. Silicate paints chemically react with the substrate, creating a water-repellent coating with a high degree of vapor permeability that allows the substrate to "breathe". It is easy to apply, covers well, and is extremely resistant to weathering and UV radiation. Fasena Silicate has a low tendency to get dirty.									
application area:	It is suitable for the decorative protection of old and new mineral plasters and for the restoration of old silicate coatings. It must not be used to protect gypsum substrates. It is particularly suitable for the protection of old cultural monuments, old silicate coatings and organic substrates. It is also used for coating precious mineral surfaces, new and old limestone surfaces.									
product range:	It is produced in white colour, and by applying the TOP MIX system for tinting, it is possible to achieve a whole range of shades from our colour chart, including the colour chart of other manufacturers.									
product properties:	Vapor permeable Good coverage Solvent free Preservatives free Atmospheric resistance									
dilution:	Undiluted, diluted with pure water to a maximum of 5%.									
spreading rate:	4-5 m ² /l in two layers, depending on the absorbency and roughness of the substrate. The exact consumption can be determined by making a test area on the surface.									
density:	1.4–1.5 kg/l (EN ISO 2811-1)									
non-volatile-matter content:	65±2 % (EN ISO 3251)									
volatile organic compounds content (VOC):	A(c), 40 g/l; max. 15 g/l (EN ISO 11890-1)									
technical data according to EN 1062-1:	<table border="1"> <tr> <td>Largest grain size (granularity) (EN ISO 1524)</td> <td>Fine < 100 µm</td> </tr> <tr> <td>Water vapour permeability (EN ISO 7783-2)</td> <td>Class V₁</td> </tr> <tr> <td>Water absorption (EN 1062-3)</td> <td>Class W₂</td> </tr> <tr> <td>Gloss (EN ISO 2813)</td> <td>Mat, G₃</td> </tr> </table>		Largest grain size (granularity) (EN ISO 1524)	Fine < 100 µm	Water vapour permeability (EN ISO 7783-2)	Class V ₁	Water absorption (EN 1062-3)	Class W ₂	Gloss (EN ISO 2813)	Mat, G ₃
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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 %. The material must not be applied on sunny surfaces and in rainy, windy and foggy weather (be sure to place a screen against the sun or rain on the scaffolding). 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.									
substrate preparation:	The substrate must be completely dry, smooth, clean, free of loose parts, dust, grease stains, mold and other foreign bodies. Before each painting, the substrate must be inspected and its condition determined. All loose parts of the substrate and old coatings should be removed. The resulting unevenness, depending on their depth, fill with									

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	<p>suitable plasters or leveling compounds. The substrates infected with algae and fungi, clean with a cloth or a brush using solution of universal cleaner and for exterior walls using high-pressure washers (adjust the water pressure and spray angle so that the facade is not damaged). After drying, treat the substrate with a biocidal solution <i>Algenon</i> or <i>Algenon Plus</i>. Wash greasy and heavily soiled parts with solution of <i>Kalijev sapun</i>. New and old substrates coat with <i>Simpra silicate primer</i>.</p> <p>Apply Fasena 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. Depending on the desired effect of the tinted product, it can be diluted up to 5 %. The product is workable even at higher dilutions, but certain properties of the material can no longer be achieved (degree of gloss, coverage, degree of whiteness, resistance to wet washing, etc.). Fasena Silicate can be 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. The first layer of Fasena Silicate is applied 3 days after applying the impregnation, and the second layer only when the previous one is completely dry! Apply products from the same production batch to one surface. 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, we recommend applying without interruption from one end of the surface to the other, "wet on wet". Subsequent repairs are not allowed. For full-surface application, we recommend first application along the edges of the walls with a brush, then roller application with leveling of 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 of coatings:	<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. Rain protection is mandatory for a minimum of 24 hours after the installation of the final layer.</p>
surfaces maintenance:	<p>Undust the surfaces, clean stains with a wet cloth or water. On surfaces from which dirt or stains cannot be removed, it is necessary to perform re-painting (new application of two layers of the paint). A primer is required for restorative painting depending on the age and type of wall surfaces. Treat mold-infected wall surfaces with biocidal solution <i>Algenon</i> or <i>Algenon Plus</i>.</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 12 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>

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quality control: 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.

note: Mechanical damage to dark shades causes the appearance of light stripes. The described phenomenon is specific to dark shades and does not affect the quality of the coating.

disclaimers: Technical values refer to basic products. Tinting the product may cause minor deviations in certain technical characteristics. Depending on the properties of the substrate 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 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. 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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