




Technical Data Sheet

FINAL SI-SI RENDER

Façade render based on silicone and silicate binders



product type:	Decorative silicone-silicate based render available in a smoothed structure. It is water-repellent, UV and weather resistant and contains special additives for protection against algae and mould.										
area of application:	Used for decoration of façades and interior wall surfaces. It is a component of the <i>FINALIT S</i> and <i>FINALIT MV</i> external thermal insulation composite systems. It is used on concrete and facade surfaces, old and new mineral renders, iveral boards, fiber-cement and plaster boards, etc. Do not use on wooden, metal, oily and horizontal surfaces that can retain water.										
product range:	It is produced in white color. Other shades from our color card can be achived using <i>Top Mix</i> tinting system CHROMOS-SVJETLOST. By special request of the buyer, it is possible to achieve shades from other color cards.										
package:	Plastic container (25 kg).										
product properties:	Easy to use Low water - apsrption Algea and mould protection Optimised consumption For manual or machine processing										
volatile organic compounds content (VOC):	A(c), 40 g/l; max. 25 g/l (EN ISO 11890-1).										
characteristics according to EN 15824:	<table border="1"> <tr> <td>Water vapor transmission (EN ISO 7783)</td> <td>V₁</td> </tr> <tr> <td>Water absorption (EN 1062-3)</td> <td>W₃</td> </tr> <tr> <td>Adhesion (EN 1542)</td> <td>≥ 0,3 MPa</td> </tr> </table>		Water vapor transmission (EN ISO 7783)	V ₁	Water absorption (EN 1062-3)	W ₃	Adhesion (EN 1542)	≥ 0,3 MPa			
Water vapor transmission (EN ISO 7783)	V ₁										
Water absorption (EN 1062-3)	W ₃										
Adhesion (EN 1542)	≥ 0,3 MPa										
coverage:	<table border="1"> <thead> <tr> <th>The structure of the final appearance</th> <th>Granulation/mm</th> <th>Coverage*/kg/m²</th> </tr> </thead> <tbody> <tr> <td rowspan="2">  </td> <td>1.5</td> <td>2.2</td> </tr> <tr> <td>2.0</td> <td>2.9</td> </tr> </tbody> </table>		The structure of the final appearance	Granulation/mm	Coverage*/kg/m ²		1.5	2.2	2.0	2.9	
The structure of the final appearance	Granulation/mm	Coverage*/kg/m ²									
	1.5	2.2									
	2.0	2.9									
surface preparation:	<p>*Coverage depends on surface properties and working tehnique (determine the exact consumption by making a test field on the building).</p> <p>The surface must be firm, dry, smooth and clean (without any low-biding materials, oils or dust). Any cracks or stains should be removed properly. Oily areas should be washed with solution of <i>Kalijev sapun</i> and any dirt should be washed with miniwash. Algea or mould infected areas should be mechanically cleaned and treated with biocidic solution <i>Algenon</i>. Every layer should be properly dried before applying another. Any area should be treated with universal primer <i>Finalgrund UNI</i> before applying final decorative render. FINAL render in a granulation of 1.0 mm can only be successfully installed on well-prepared substrates, so we recommend it only for processing smaller surfaces, decorative borders around windows and doors, cornices, etc. Any smaller cracks or bumps can cause bad finished look, so they should be treated with <i>Finalterm S</i>, if needed, use Final glass armature.</p>										

Technical Data Sheet

FINAL SI-SI RENDER

Façade render based on silicone and silicate binders



<p>working conditions:</p>	<p>The temperature of air, material and base must be greater than + 5 °C and less than + 30 °C, and the relative humidity less than 80%. The material must not be applied on sunny surfaces (be sure to place a screen against the sun or rain on the scaffolding) and in windy or foggy weather. Low temperatures as well as high humidity prolong the setting time and can change the shade unevenly. High temperatures in summer shorten the working time.</p>
<p>material preparation:</p>	<p>Before use, stir the material in the original packaging with a slow rotating mixer. If necessary, dilute with water to application consistency (maximum 1.5 dl). Over diluting can alter some of the product characteristics (application properties, coverage and/or shade). Different production batches, and products tinted on <i>Top Mix</i> tinting system, need to be equalized before use. Product from few cans mix together in a sufficient quantity for one continuous surface. The rest of the render store in a well-sealed original packaging.</p>
<p>material application:</p>	<p>It is applied by hand with a stainless steel trowel or by machine, in a thickness as close as possible to the diameter of the largest grain. In the case of machine application, it is necessary to follow the instructions of the hardware manufacturer. Immediately or a few minutes after application, smooth the plaster with circular strokes with a hard, plastic trowel to achieve a smooth final structure.</p> <p>Regular cleaning of structuring tools is a must! Render is installed using the "fresh in fresh" technique, continuously, without interruption, which is achieved by placing a sufficient number of workers on the scaffolding and dividing larger wall surfaces with grooves, decorations, edging into smaller parts. Excessive thinning or processing in strong winds can lead to poor structure and the formation of microcracks. Any repair of the material during installation is not allowed (addition of colorants, dilution). Wash contaminated areas and tools with water immediately after finishing work.</p> <p>While working, adhere to the applicable construction standards.</p> <p>For any additional info, please contact a Chromos-Svjetlost technical advisor.</p>
<p>drying:</p>	<p>Dry to touch after 6h depending on weather conditions. Render must be protected from precipitation for 24 hours after installation (23°C, RH 50%). Adapt the protection to the weather conditions, because low temperatures and high humidity significantly prolong the setting time and can change the shade unevenly.</p>
<p>maintenance of facade surfaces:</p>	<p>Impurities and dust can be removed by dusting or a light jet of water, and stubborn stains can be removed by gentle rubbing with a cloth soaked in a water solution with mild universal cleaning agents. Regular façade maintenance is carried out by repainting with facade paints such as <i>Fasena silicone</i>, which extends the life of each facade system.</p>
<p>safety measures:</p>	<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>
<p>transport and storage:</p>	<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>
<p>shelf life:</p>	<p>In unopened packaging 1.5 years.</p>
<p>product/packaging disposal:</p>	<p>Empty the packaging completely. Dispose of in accordance with valid regulations to an authorized waste collector.</p>
<p>quality control:</p>	<p>The render has been tested at ZAG Ljubljana as a component of External thermal insulating component system (ETICS) manufacturer CHROMOS-SVJETLOST: FINALIT S and FINALIT MV. Certificate numbers: 1404-CPR-2572, 1404-CPR-2573,</p>

Technical Data Sheet

FINAL SI-SI RENDER

Façade render based on silicone and silicate binders



	<p>1404-CPR-2574.</p> <p>The render has been tested according to EN 15824 (Property Statement Number: 27), and can be installed independently. Product quality characteristics are determined by internal production specifications, European and Croatian standards.</p>
<p>other informations:</p>	<p>The granules used in FINAL render are natural and there is a possibility that some grains are a little darker. This is not a defect in the material, but a difference in shade due to the natural properties of the raw materials, which cannot be the subject of a complaint. Prior to application, check that the shade of the mixture corresponds to the original sample.</p> <p>The product contains a preservative that provides some protection against the formation of algae and fungi, but not unlimited protection. The duration of protection mostly depends on the degree of relative humidity of the micro-area. Permanent protection cannot be guaranteed (see HUPFAS guidelines; Algae and fungi on facades).</p>
<p>disclaimers:</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p style="text-align: right;">October, 2021.</p> <p style="text-align: right;">Quality and Environmental management systems certified in accordance with TÜV NORD Croatia; Certificate No: 44 100 134668 / 44 104 134668</p>

