

Technical Data Sheet

BETONTON

Acrylic paint for concrete



product description:	Paint for concrete surfaces made of special acrylic polymer binders. It is stable on all types of lime and cement substrates and is resistant to weathering and depletion.									
area of application:	It is used for protection and decoration of all types of vertical concrete and facade surfaces, sub-walls, stairs, asbestos-cement roof coverings and such. The substrate on which it is applied must be hard, dry, free of loose bonds and clean. The concrete must be at least four weeks old. It is not used for protection and decoration of walking surfaces.									
product range:	Produced in the following colours: white, red, brown, green, ocher, grey and black. 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.									
product properties:	Great coverage Solvent free Weatherproof									
dilution:	Do not dilute.									
spreading rate:	4–5 m ² /l in two layers, depending on the absorbency and roughness of the substrate. Accurate consumption can be determined by measuring consumption of large test surface area									
density:	1.43–1.55 kg/l, depending on the shade (EN ISO 2811-1)									
non-volatile-matter content:	71±2%, depending on the shade (EN ISO 3251)									
volatile organic compounds content (VOC):	A(c), 40 g/l; max. 30 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>Permeability to water vapour (EN ISO 7783-2)</td> <td>Class V₂</td> </tr> <tr> <td>Water absorption (EN 1062-3)</td> <td>Class W₃</td> </tr> <tr> <td>Gloss (EN ISO 2813)</td> <td>Matt, G₃</td> </tr> </table>		Largest grain size (granularity) (EN ISO 1524)	Fine < 100 µm	Permeability to water vapour (EN ISO 7783-2)	Class V ₂	Water absorption (EN 1062-3)	Class W ₃	Gloss (EN ISO 2813)	Matt, 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 %. 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. Do not apply the material on sunny surfaces, in windy, rainy and foggy weather (be sure to place a protective screen against the sun or rain on the scaffolding).									
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 suitable plasters or leveling compounds. New substrates made of lime-cement mortars must be									

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	<p>dried for a minimum of 14 days, levelling compounds for a minimum of one day per millimetre of thickness, and new concrete substrates for a minimum of one month. Treat mold infected substrates with biocide solution Algenon or Algenon Plus, then clean with a cloth or a brush using solution of universal cleaners. 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 Kalijev sapun. Glossy and water-repellent coatings should be pre-roughened with sandpaper. New substrates should be impregnated with Simpra universal primer (ratio 1:3). Apply Betonton on a completely dry surface at least 6 hours after applying the impregnation, depending on the weather conditions.</p>
<p>material preparation and application:</p>	<p>Before use, mix the material in the original packaging with a slow rotating mixer. Betonton is applied undiluted, in two layers by brush, roller or spraying. When using a roller use a suitable paint roller net. The product is usable even at 1-2% dilutions, but certain material properties can no longer be achieved (degree of gloss, opacity, degree of whiteness, abrasion resistance, etc.). Betonton is applied with paint brush, paint roller (fibre length between 18-20 mm) or airless spray in two layers. 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, we recommend applying without interruption from one end of the surface to the other. Subsequent repairs are not allowed. Additional paint correction during the application is not allowed (dilution, addition of colorants, etc.).</p> <p>Wash the tool immediately after working. Adhere to the applicable construction standards when applying the products. For any additional info, please contact a Chromos-Svjetlost technical advisor.</p>
<p>coatings drying:</p>	<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>
<p>surfaces maintenance:</p>	<p>Maintain surfaces by dusting, clean from stains with water or a wet cloth. 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 substrate preparation). A primer is required during repainting, depending on the age and type of wall surfaces. Wall surfaces infected with mold should be treated with a biocidal solution <i>Algenon</i> or <i>Algenon Plus</i>.</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 18 months.</p>
<p>product/packaging disposal:</p>	<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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<p>quality control:</p>	<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>
<p>other information:</p>	<p>Mechanical damage to dark shades causes the appearance of light streaks. The described phenomenon is specific to dark shades and does not affect the quality of the coating.</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>

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