

Technical Data Sheet

DISPERVAN PRO

High-quality acrylic paint for heavily loaded concrete surfaces



product description:	Acrylate paint for decorative protection of all loaded concrete surfaces from harmful substances and atmospheric conditions. The paint is resistant to alkaline substances and UV rays and covers surface cracks smaller than 0.1 mm.									
area of application:	It is used for the protection and decoration of all types of concrete and façade surfaces (plaster, tunnel linings, garages etc.) as well as for the restoration of old coatings of waterborne paint. It is intended for the protection of old and new surfaces from aggressive environmental influences such as high temperature fluctuations, aggressive impact of precipitation, aggressive impact of smog in city centres, salt spray and for the protection against the penetration of harmful gases.									
product range:	It is produced in white, but by using the <i>Top Mix</i> tinting system it is possible to achieve a wide range of colours from the Chromos-Svjetlost colour chart as well as many other colour charts on the market.									
product characteristics:	Good coverage Environmentally friendly, solvent-free Resistant to atmospheric conditions									
thinner:	Pure water, to a maximum of 15%.									
coverage:	4–6 m ² /l in two layers, depending on the absorbency and roughness of the surface, determine the exact consumption by creating a test area on the surface.									
density:	1.35–1.45 kg/l (EN ISO 2811-1).									
non-volatile-matter content:	65±5 % (EN ISO 3251).									
volatile organic compound content (VOC):	A(c), 40 g/l; max 40 g/l (EN ISO 11890-1).									
classification in accordance with EN 1504-2:	<table border="1"> <tr> <td>CO₂ permeability</td> <td>s_D > 50 m</td> </tr> <tr> <td>Liquid water permeability</td> <td>w < 0.1 kg/ (m²*h^{0.5})</td> </tr> <tr> <td>Water vapour permeability</td> <td>s_D < 5 m, class I (permeable to water vapour)</td> </tr> <tr> <td>Adhesion</td> <td>≥ 1.5 N/mm²</td> </tr> </table>		CO ₂ permeability	s _D > 50 m	Liquid water permeability	w < 0.1 kg/ (m ² *h ^{0.5})	Water vapour permeability	s _D < 5 m, class I (permeable to water vapour)	Adhesion	≥ 1.5 N/mm ²
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working conditions:	Air, material and surface temperature must be higher than +5 °C and lower than +30 °C, while the relative air humidity must be lower than 80%. The product must not be applied to sunlit surfaces (the scaffolding must be fitted with a screen to protect against the sun or rain) or during rainy, windy and foggy weather. Low temperatures as well as high humidity prolong the setting time and can result in uneven colour. High temperatures in summer shorten the working time of the paint.									

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<p>surface preparation:</p>	<p>The surface must be completely dry and clean, without weakly bonded parts and free of dust, greasy stains, algae, fungi and other foreign bodies. Before every painting, the surface must be inspected and its condition established. All weakly bonded parts of the surface and old paint coatings must be removed. The resulting unevenness, depending on how pronounced it is, should be filled with appropriate restoration plaster or evened out using levelling compounds. Surfaces contaminated by algae and fungi should be cleaned using a cloth or brush and a universal cleaning solution or by using a pressure washer (adjust the water pressure and angle of the water spray so as not to damage the façade). After drying, treat the surface with <i>Algenon</i> or <i>Algenon Plus</i> biocidal solution. Greasy and heavily soiled areas should be cleaned with a <i>Kalijev sapun</i> solution. New surfaces should be coated with the <i>Simpra universal primer</i>, while old, highly porous surfaces should be coated with <i>Simpra nano primer</i> or <i>Simpra multicontact</i>. Dispervan Pro must be applied on a completely dry surface, at least 6 hours after the application of the primer, depending on weather conditions.</p>
<p>material preparation and application:</p>	<p>Before use, mix the product in the original packaging with a slow-rotating mixer. If necessary, dilute with a maximum of 15% of water, to achieve the consistency for application. The product can be used even if further diluted, but certain product characteristics can no longer be achieved (degree of gloss, coverage, degree of whiteness, resistance to wet washing, etc.). Dispervan Pro is applied using a painter's brush, short-haired fur or textile paint roller (hair length of 18-20 mm) or a spraying device (Airless, according to the manufacturer's instructions) in two layers. Apply products from the same production batch to the same surface. Different production batches, as well as products mixed through the Top Mix system, need to be equalized before use. When using the product, prepare a sufficient amount of the product to treat one surface, keeping the rest sealed in the original packaging. Do not store already diluted product! When applying the product by spraying, it is necessary to use protective equipment (safety glasses, respiratory protection, protective mask). When using a roller, use a suitable net for squeezing. A second coat is applied only when the previous one is completely dry. In order to avoid visible points of connection and traces of the roller or brush, we recommend applying it "wet on wet", without interruption from one extreme end of the surface to the other. Subsequent fixing is not allowed. We recommend that the paint first be applied along the edges of the walls with a brush, and then with a roller while evening out the points of connection. Any modifying of the product during painting is not allowed (thinning, adding colourants, etc.) Wash tools with water immediately after finishing applying the product. When carrying out the work, comply with construction regulations. For any additional info, please contact a Chromos-Svjetlost technical advisor.</p>
<p>drying time:</p>	<p>Recoat interval is 4-6 hours (at 20°C and 65% relative humidity). One coat of paint dries completely in 24 hours (at 20°C and 65% relative humidity). Depending on weather conditions, the specified period can be longer. Rain protection is mandatory for at least 24 hours following the application of the final coat.</p>
<p>surface maintenance:</p>	<p>Dust the surfaces and clean them with water or a wet cloth to remove stains. Surfaces from which it is not possible to remove dirt or stains should be repainted (new application of paint in two layers, see preparation of the surface). When repainting, it is necessary to apply a primer, depending on the age and type of wall surfaces. Wall surfaces contaminated by mould should be treated with <i>Algenon</i> or <i>Algenon Plus</i> biocidal solution.</p>
<p>safety measures:</p>	<p>General rules for construction work must be complied with. Keep out of reach of children. Wear protective equipment. Before use, read the Technical and Safety Sheet of the product.</p>
<p>transport and storage:</p>	<p>Store in dry and ventilated areas away from direct sunlight at temperatures ranging from +5 °C to +25 °C. Protect it from freezing in winter conditions.</p>

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shelf life:	1.5 years in unopened packaging.
product/packaging disposal:	Empty the packaging of its contents completely. Dispose of it at a recycling yard. Legal persons must deliver the packaging as packaging waste to a licenced waste collector.
quality control:	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 d.o.o.
other information:	Mechanical damage on dark colours causes the appearance of light stripes. This phenomenon is specific to dark colours and does not affect the quality of the coating.
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 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 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.</p>

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