

Technical Data Sheet

FASENA DARK COOL

High-quality facade paint based on a combination of acrylic and silicone binder



product description: Fasena Dark Cool is dispersive high quality facade paint made of a combination of acrylic and silicone binder. This paint reflects the near infrared radiation of sunlight thanks to a special combination of NIR and UV stable pigments. The reflection of near-infrared radiation reduces the heating of the surface, which preserves the three-dimensional stability of the thermal insulation product (especially EPS insulation boards). It has excellent adhesive properties, is resistant to effects of weather, alkali, salt and industrial gases. It is water vapour permeable, water resistant and light resistant.

area of application: Fasena Dark Cool is intended for the protection and decoration of the ETICS system. Furthermore, it is also applied to surfaces made of concrete, lime-cement mortar, fiber-cement boards and the like, as well as for the restoration of old surfaces.

product range: It is produced in dark (black) shades and according to the customer's request.

product properties: Good coverage
Solvent free
Atmospheric resistance

dilution: Pure water, with 5–10 %.

spreading rate: 3–4 m²/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: 1.26–1.29 kg/l (EN ISO 2811-1)

non-volatile-matter content: 66±2 % (EN ISO 3251)

volatile organic compounds content (VOC): A(c), 40 g/l; max. 2 g/l (EN ISO 11890-1)

technical data according to EN 1062-1:

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

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. Freshly coated facade surfaces should be protected from rain, sun and wind for at least 24 hours!

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. Treat mold infected substrates with biocide solution *Algenon* or *Algenon Plus*, then clean with a cloth or a brush using solution of universal cleaners or using high-pressure washers (adjust the water pressure and spray angle so that the facade is not damaged). Wash greasy and heavily soiled parts with

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	<p>solution of Kalijev sapun. New substrates should be impregnated with Simpra universal primer (ratio 1:3) and old, highly porous substrates use the <i>Simpra Nano primer</i> or <i>Simpra Multicontact</i>. Apply Fasena Dark Cool 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 5-10%. 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.). Fasena Dark Cool 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. The second layer is applied only when the previous one is completely dry (approx. 6–12 h).</p> <p>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. 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. We recommend first applying the paint along the edges of the walls with a brush, then applying the paint with a roller to even out 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 %).</p> <p>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 application of the final layer.</p>
maintenance of surfaces:	<p>Maintain surfaces by dusting and cleaning with 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 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. Before use read the product Safety Data Sheet.</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. 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>

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other information: 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.

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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