

## Technical Data Sheet

# SIMPRA NANO PRIMER

*Nano-deep impregnation*



<b>product description:</b>	Nano-deep impregnation based on water-dilutable acrylic resins with penetrating and consolidating properties. It penetrates deeply, evens out and strengthens the substrate and protects it from the penetration of atmospheric influences. It helps to strengthen and even out the absorbency of the substrate and improves the adhesion of dispersive paints for interior and exterior walls and concrete surfaces. The dried coating is colourless, does not create a film or gloss.
<b>area of application:</b>	It is used on external surfaces with high absorbency, concrete, carbonized lime, lime-cement and cement plasters, for substrates that have not been completely sprayed by cleaning, and on which the application of acrylate or silicone paint is planned, i.e. the installation of thin-layer decorative acrylate is planned or silicone plasters. It is suitable for substrates on which facade compounds for leveling and reinforcement will be applied, which are enriched with polymer binders. It is not suitable for use as a primer under silicate coatings.
<b>coating appearance:</b>	Colourless
<b>spreading rate:</b>	0.08 – 0.1 m <sup>2</sup> /l based on a 1:1 dilution, depending on the absorbency and roughness of the substrate. The exact consumption can be determined by making a test area on the surface.
<b>non-volatile-matter content:</b>	15±1% (EN ISO 3251)
<b>density:</b>	1.00–1.02 kg/l (EN ISO 2811-1)
<b>volatile organic compounds content (VOC):</b>	A(h), 30 g/l; max. 25 g/l (EN ISO 11890-1)
<b>dilution:</b>	With pure water 1:1 (SIMPRA NANO PRIMER:WATER)
<b>working conditions:</b>	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.
<b>substrate preparation:</b>	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 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 mould infected substrates with biocide solution <i>Algenon</i> or <i>Algenon Plus</i> , then clean with a cloth or a brush using solution of universal cleaners. Wash greasy and heavily soiled parts with solution of <i>Kalijev sapun</i> .
<b>material preparation and application:</b>	Before use, mix the material in the original packaging and dilute with clean water in a ratio of 1:1 (SIMPRA NANO PRIMER:WATER). Mix until homogenization. Simpra Nano Primer is applied with paint brush, paint roller (fibre length between 18–20 mm) in one layer. When using a roller use a suitable paint roller net.  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! The

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	<p>material must be evenly rubbed into the substrate to avoid the appearance of leaks and localized oversaturation. Mandatory protection of window and door frames as well as glass and window sills.</p> <p>After use, the tools should be washed with water!</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>
<b>coatings drying:</b>	4-6 h (T = +20 °C, relative humidity = 65 %). Low temperatures as well as high air humidity prolong the drying time and can change the shade unevenly.
<b>transport and storage:</b>	Store in a dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 °C. Protect it from freezing.
<b>shelf life:</b>	In unopened packaging 18 months.
<b>product/packaging disposal:</b>	Empty the packaging completely and hand over to the recycling yard. Dispose of in accordance with valid regulations to an authorized waste collector.
<b>quality control:</b>	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.
<b>disclaimers:</b>	<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 <a href="http://www.chromos-svjetlost.hr">www.chromos-svjetlost.hr</a> 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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