

Technical Data Sheet

TERMOSTAL 600 - PROFI



product description:	TERMOSTAL 600 - PROFI is a modified silicone coating resistant to high temperatures. It is used to protect and decorate objects that are exposed to high temperatures; car mufflers and pipes, various steel structures, pipelines, chimneys, stoves.																
intended use:	<p>If the coating is used as the only protection, it can withstand longer exposures at temperatures up to 600 °C, and 1 to 2 coats are recommended.</p> <p>For a combination of high temperature resistance and corrosion resistance, TERMOSTAL 600 - PROFI is applied over a zinc silicate primer. In this case, the system is resistant to temperatures up to 400 °C. Air-dried coating achieves good mechanical strength.</p> <p>In the phase of the first ignition, the room needs to be well ventilated, because during ignition smoke and unpleasant odours are created.</p>																
assortment:	TERMOSTAL 600 – PROFI black and silver																
product characteristics:	<p>Excellent coverage</p> <p>Outstanding mechanical properties</p> <p>Temperature stability up to 600 °C</p>																
thinner:	Thinner for fast-drying paints - max. up to 5 %																
coverage:	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Dry film thickness/ μm</th> <th rowspan="2">Theoretical coverage/ m^2/l</th> </tr> <tr> <th>Dry</th> <th>Wet</th> </tr> </thead> <tbody> <tr> <td>thickness range:</td> <td>20 – 30</td> <td>55 – 85</td> <td>10.0 – 15.0</td> </tr> <tr> <td>typical thickness:</td> <td>25</td> <td>70</td> <td>13.0</td> </tr> </tbody> </table>				Dry film thickness/ μm		Theoretical coverage/ m^2/l	Dry	Wet	thickness range:	20 – 30	55 – 85	10.0 – 15.0	typical thickness:	25	70	13.0
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density:	0.96 - 1.1 kg/l (EN ISO 2811-1)																
non-volatile-matter content	<p>by weight: 44±2 % (EN ISO 3251)</p> <p>by volume: 30±2 %</p>																
volatile organic compounds content (VOC):	B(e), 840 g/l; max. 800 g/l (EN ISO 11890-1)																
working conditions:	The temperature of the air, material and surface during processing must be higher than +5 °C, less than +25 °C, and relative humidity 85 %. Surface temperature must be at least 3 °C higher than the dew point.																
surface preparation:	For optimal protection, sandblasting / shot blasting up to Sa 2 ½ or mechanical cleaning up to St 3 according to EN ISO 12944/4 is recommended.																
material preparation and application:	<p>Stir the material in the original packaging before use.</p> <p>It is applied by airless spraying, brush or roller for smaller areas on surfaces made of iron or cast iron. It can also be applied by spraying with compressed air.</p> <p>Prepare a sufficient amount of product for use to process one surface; keep the rest in a well-sealed original packaging. Immediately after finishing work, wash the tool with quick drying thinner.</p> <p>For any additional info, please contact a Chromos-Svjetlost technical advisor.</p>																
airless spray data:	Check the filter for cleanliness regularly!																
pressure:	15 MPa																

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nozzle type:	0.015 – 0.021 " (0.38 – 0.48 mm)
spray angle:	30 – 60°
recommended paint system:	<p>Temperatures up to 600 °C: 1 or 2 coats of 25 µm TERMOSTAL 600 - PROFI</p> <p>Temperatures up to 400 °C: 1 coat 75 µm SILICOCEME Zn - zinc silicate primer 1 or 2 coats of 25 µm TERMOSTAL 600 - PROFI</p> <p>It is best to determine the coating system according to the recommendation of the manufacturer's experts and in accordance with the EN ISO 12944/5 standard.</p>
drying time:	<p>Touch dry: after 30 min (20 °C and relative humidity 65 %). Completely dry: after 2 h.</p> <p>Depending on the shade and weather conditions, this period may be extended.</p>
overcoating interval:	Minimum: 2 h/ 20 °C, with 65 % relative humidity and good ventilation, and after 24 h heating can be started.
safety measures:	Keep away from heat and sources of ignition. Use non-sparking tools. Prevent leakage and spillage into watercourses and drainage systems. Do not store any tools or machines that may produce a spark. Avoid heat, sparks, static electricity and flames. Keep out of reach of children. Wear protective equipment. Read the safety data sheet of the product before use.
transport and storage:	Store in a dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 °C.
shelf life:	In unopened packaging 18 months from the date of production.
product/packaging disposal:	Empty the packaging completely. Dispose of in accordance with valid regulations to an authorized waste collector.
quality control:	Product quality characteristics are determined by internal production specifications and European and Croatian standards. The product is under the constant supervision of factory quality control Chromos-Svjetlost d.o.o.
disclaimers:	<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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