

ClimaTop[®] Silica+

Silicone - silicate, decorative
finishing render, in pasty form



- » Innovative triple technology
- » Exceptional reaction to fire
- » Fiber-reinforced
- » Waterproofing, elasticity and high vapor permeability
- » High resistance to weather conditions

- » High color stability
- » Different decorative textures (depending on the treatment method during application)
- » It can be tinted with inorganic pigments in hundreds of shades through the KRAFT Inspired Colour System.

ClimaTop[®] Silica+ is a triple technology fiber-reinforced ready-to-use silicone-silicate decorative finishing render, in pasty form, enhanced with colloidal silica. It provides a comprehensive protection against severe weather conditions, high water vapor permeability, waterproofing

and remarkable mechanical properties. It is classified as a finishing render based on organic binder according to the standard EN 15824 and as part of certified external thermal insulation system CLIMAWALL[®] by BIOCLIMA[®] according to EAD 040083-00-0404.

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FIELD OF APPLICATION

Climatop® Silica+ is used for outdoor as a final render in ClimaWall® thermal insulation systems of BIOCLIMA® and as a finishing render of high performance. Due to its formulation,

it resists high summer and low winter temperatures, maintains elasticity and offers a hydrophobic, water-repellent, non-cracking protection film to structural surfaces.

TECHNICAL DATA

Density ISO2811	1,80 g/mL (±0.1) @ 25°C
Viscosity (sp.7/50rpm) ISO 2555	30.000mPa.s (±10.000) @25°C
Consistency – Flow Table Haegermann EN1015	15,5cm (±1,5) @ 25°C
pH	10.5 (±0.5)


VOC CONTROL


Exterior walls of mineral substrate A/c (WB)

VOC Limit Value: 40g/L

Maximum content of VOC of the product in a ready to use condition: 29 g/L

In accordance to EN 15824:2017	
Adhesion EN1542	>0,3 N/mm ²
Water Absorption EN1062-3	<0,1 kg/(m ² .h ^{0,5}) - W3
Water Vapour Permeability EN ISO7783	15 - 150 g/(m ² .d) - V2
Thermal Conductivity (λ) EN1745	0,80 W/m.K
Reaction to fire EN13501-1	A2-s1,d0

 1488	Druckfarben Hellas S.A. Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
	22 DoP No 02.03 ClimaWall® EPS
EAD 040083-00-0404 ETA 21/1047	

 1488 / 1871	Druckfarben Hellas S.A. Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
	22 DoP No 02.02 ClimaWall® Mineral
EAD 040083-00-0404 ETA 21/0875	

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DIRECTIONS FOR USE

1. SUBSTRATE - PREPARATION To ensure better adhesion, the surface is required to be dry, clean and free of dust, oils, salts, rust, loose paint and residues, swollen paints, etc.

The surface should be as flat as possible. Large unevenness and cracks must be repaired using suitable repairing products by **KRAFT PAINTS**, before applying **ClimaTop® Silica+**.

It is recommended that fresh concrete, stucco, plaster and gypsum surfaces are allowed to dry for at least 4 weeks before applying **ClimaTop® Silica+**.

Apply a layer of **ClimaTop® Primer** on porous, new surfaces or already painted substrates, and on cementitious base coat layer of external thermal insulation system

IMPORTANT NOTES:

Do not apply at temperatures below +5°C and above +35°C as well as at humidity levels above 65%. Do not apply in case of frost forecast for at least next 24 hours after application. Do not apply in case of impending rain or in direct intense sunlight and wind currents. Surfaces must be protected from the sun, wind and rain with special protective covers.

Surface drying time 1-2 hours at +25°C and relative humidity 50%. Minimum repainting time 24 hours at a temperature of +25°C and relative humidity 50%. Complete drying time 14 days at a temperature of +25°C and relative humidity 50%. Drying times are prolonged at lower temperatures and higher

2. MIXING The product does not require addition of mixing water. Stir the product before use with a low speed mechanical drill to homogenize.

3. APPLICATION: After 24 hours of priming, apply a **ClimaTop Silica +** coat with a stainless steel spatula and adjust the coating thickness to grain size. Shape the decorative texture by properly treatment using a plastic spatula.

4. CLEANING OF TOOLS: Immediately after the application the tools must be cleaned with warm water and soap or a detergent solution. Remove as much material as possible from tools before cleaning.

relative humidity.

It is recommended to check the adequacy of the amount of material and human resources before the application. When application starts on parts of masonry it is recommended to be completed without interruption in order to avoid creation of joint lines with darker shade. In case of cessation of the application, this is recommended to take place at: edges of the wall, near balconies, building joints, architectural elements (eg gutters, architectural details, etc.), so that during the restart of the application the joint lines do not exist at all or be as few as possible.

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CONSUMPTION

The consumption of ClimaTop® Silica+ is about 1,7-2,8 kg / m². It depends on the grain size of the product, the type of substrate and the tools, conditions and methods of application.

Product - Grain Size	Consumption Kg/m ²
K10 – 1,0 mm	1,7-1,9
K12 – 1,2 mm	2,1-2,3
K15 – 1,5 mm	2,6-2,8



PACKAGING – SHADES

The product is packaged in 25Kg plastic containers in White or Transparent Base.

It could be tinted only with universal inorganic pigment colourants for KRAFT Reflective Collection fan deck.

HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Carefully read and follow all cautions and warnings on product label. For further information refer to the Safety Data Sheet of this product.

Poison Centre Telephone: +30 210 7793777

STORAGE

Stored in a dry environment with temperature between +5°C and +35°C, away from direct sunlight and rain for a maximum 6 months from the date of production. Keep containers tightly closed when not in use.

CERTIFIED SYSTEMS

ISO 9001 ISO 140001 ISO 50001 ISO 45001

Με την εγγύηση της:

KRAFT
PAINTS

ΚΑΙΝΟΤΟΜΙΑ ΠΟΥ ΔΙΝΕΙ ΑΞΙΑ

02/2025 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations, and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website www.bioclima.gr, as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.

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