

# ClimaTop<sup>®</sup> FlexoSil

Silicone, elastomeric, ready-to-use  
water-repellent, decorative  
finishing render in pasty form



- » High resistance to weather conditions.
- » Water-repellency & vapor permeability.
- » High color stability.
- » Different decorative textures (depending on the treatment method during application).
- » Can be tinted in hundreds of shades through the **KRAFT INSPIRED COLOR Tinting System**.
- » Excellent dirt pick-up resistance.
- » Great elasticity.

**ClimaTop<sup>®</sup> FlexoSil** is a decorative, ready-to-use in pasty form, acrylic finishing render. It is based on a combination of high quality acrylic and silicone resins, with excellent elasticity and water-repellency, natural granules of suitable graded granulometry and additional enhancers. It also contains lightweight microspheres from 100% recycled expanded glass (Recycled Glass Technology) providing excellent applicability, surface uniformity and advanced

mechanical properties. **ClimaTop<sup>®</sup> FlexoSil** ideally combines high hydrophobicity and breathability, with great elasticity offering excellent protection in building constructions.

It is classified as finishing render based on organic binder according to the standard **EN 15824** and as part of certified external thermal insulation system **CLIMAWALL<sup>®</sup>** by **BIOCLIMA<sup>®</sup>** according to **EAD 040083-00-0404**, as finishing render.

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## FIELD OF APPLICATION

ClimaTop® FlexoSil is used as decorative finishing render of external thermal insulation system CLIMAWALL® by BIOCLIMA®. Also, as finishing coat of increased strength, for outdoor or indoor usage, above the usual building materials: plaster, concrete, cement board, plasterboard, as well as previously painted surfaces that are well anchored to the substrate. Due to its formulation, it resists high summer and low winter temperatures, maintains high elasticity and offers an excellent hydrophobic, water-repellent, breathable, non-cracking protection film to structural surfaces.

## TECHNICAL DATA

Density ISO2811 **1,75 g/mL (+/-0,15) @ 25°C**

Viscosity (sp.7/50rpm) ISO 2555 **28.000mPa.s (±10.000) @25°C**

Consistency - Flow Table Haegermann EN1015 **15,5cm (±1,5) @ 25°C**

pH **9,2 (±0.5)**


### VOC CONTROL


Exterior walls of mineral substrate A/c (W/B).

Limit Value: 40g/L.

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

In accordance to <b>EN 15824:2017</b>	
Adhesion EN1542	>0,4 N/mm <sup>2</sup>
Water Absorption EN1062-3	<1,1 kg/(m <sup>2</sup> .h <sup>0,5</sup> )
Water vapour permeability EN ISO7783	15 - 150 g/(m <sup>2</sup> .d)
Durability EN 13687-3, EN 1542	>0,3 N/mm <sup>2</sup>
Thermal conductivity EN1745	1.30 W/m.K
Reaction to fire EN13501-1	A2-s1,d0

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

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

	<b>Druckfarben Hellas S.A.</b> Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
	<b>22</b> DoP No 02.01 <b>ClimaWall® Extra</b> EAD 040083-00-0404 <b>ETA 21/0876</b>

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## DIRECTIONS FOR USE:

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**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® FlexoSil**. It is recommended that fresh concrete, stucco, plaster and gypsum surfaces are allowed to dry for at least 4 weeks before applying **ClimaTop® FlexoSil**. Apply a layer of **ClimaTop® Primer** on porous, new surfaces or already painted substrates, and also on cementitious base coat layer of external thermal insulation system

**CLIMAWALL®** by **BIOCLIMA®**.

**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 layer of **ClimaTop® FlexoSil** with a stainless steel spatula and adjust the layer 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.

## IMPORTANT NOTES:

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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

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® FlexoSil is about 1,4 - 3,7 kg/m<sup>2</sup>. It depends on the grain size of the product, the type of substrate and also tools, conditions and methods of application.

Grain Size	Kg/m <sup>2</sup>
FINE - 0,6 mm	2,0 - 2,5 in 2 layers
K08 - 0,8 mm	1,4 - 1,8
K10 - 1,0 mm	1,8 - 2,0
K15 - 1,5 mm	2,6 - 2,8
K20 - 2,0 mm	3,5 - 3,7
R15 - 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 with KRAFT Inspired Collection (F-shades) and KRAFT Reflective Collection fan decks.

## STORAGE:

Stored in a dry environment with temperature between 5°C - 35°C, away from direct sunlight and rain, for maximum 24 months from the date of production. Keep containers tightly closed when not in use.

## HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

Read label before use. For further information please consult the Material Safety Data sheet.

Poison Centre Telephone +30 210 7793 777.



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PAINTS

DRIVEN BY INNOVATION

06/2022 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

4/4

**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 considered to be 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.kraftpaints.gr](http://www.kraftpaints.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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