

Flex Bond

Fiber-reinforced, ready-to-use,
organic base coat in pasty form
for thermal insulation boards



- » High impact resistance.
- » Strong anti-cracking protection.
- » High elasticity.
- » Ready to use (cement free).
- » No intermediate primer necessary.

Flex Bond is a ready to use organic base coat in pasty form, for thermal insulation boards of Exterior Thermal Insulation Systems. It consists of polymer dispersion, PP fibers, natural aggregates and special additives. It also contains lightweight microspheres of 100% recycled expanded glass (Recycled Glass Technology) providing excellent applicability, surface uniformity and advanced mechanical properties. It has strong adhesion, great flexibility and resistance to impact stress.

It is classified as external render based on organic binders for use on external walls, ceilings and columns according to the standard **EN 15824** and as part of certified external thermal insulation system **CLIMAWALL[®]** by **BIOCLIMA[®]** according to **EAD 040083-00-0404**, as base coat.

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FIELD OF APPLICATION

Flex Bond is used as base coat for thermal insulation boards reinforced with anti-alkaline fiber glass mesh, thus being the ideal substrate for the finishing render that will follow, without the need for intermediate priming. It has excellent mechanical strength, high water vapour permeability. It offers excellent anti-cracking protection and high resistance to weather conditions. It also can be used, in combination with alkali resistant glass fiber mesh and **ClimaTop®** finishing renders of **BIOCLIMA®**, as an anti-cracking protection layer, in order to cover connections of different types of masonry (eg aerated concrete with concrete, bricks with concrete or aerated concrete, etc.) and to protect entire parts of a building structure against possible cracks. Suitable for outdoor & indoor usage.

TECHNICAL DATA

Density ISO2811 **1,65 g/mL (±0,05) @ 25°C**

Viscosity (sp.7/50rpm) ISO 2555 **40.000mPa.s (±15.000) @25°C**

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

pH **9,3 (±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 EN 15824:2017	
Adhesion EN1542	>0,8 N/mm ²
Water Absorption EN1062-3	<0,6 kg/(m ² .h ^{0,5})
Water vapour permeability EN ISO7783	15 - 150 g/(m ² .d)
Durability EN 13687-3, EN 1542	>0,3 N/mm ²
Thermal conductivity EN1745	1.20 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: Flex Bond has very good adhesion on thermal insulation boards (expanded polystyrene, extruded polystyrene, mineral wool, etc.), but also on all standard substrates such as concrete, bricks, plaster, cement blocks, cement boards, plasterboard, etc. The application substrate must be stable, flat, free from loose and foreign bodies, such as e.g. residues of mud, plaster, paints, oils, etc. and without large cracks. On highly absorbent surfaces (e.g. aerated concrete, gypsum board) priming is recommended using Eco Dur Aqua micromolecular acrylic primer by **KRAFT PAINTS**.

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

3. APPLICATION: After installation of thermal insulation boards, mechanical anchoring takes place where necessary. The surface of the thermal insulation boards should be uniform and even. Apply, with a stainless steel toothed spatula, a layer of **Flex Bond** on the thermal insulation boards and immediately immerse the anti-alkaline fiber glass mesh in it. The surface of base coat is flattened and smoothed using the smooth side of spatula. Overlap of strips of the base layer grid should be about 10cm. The mesh grid should be completely covered by **Flex Bond**. Final thickness of the layer shall be 2 - 3 mm.

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:

Stir the product before use and at regular intervals during application with a low speed mechanical drill. 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 impending rain or in direct intense sunlight and wind currents.

Surfaces must be protected from the sun, wind and rain with special protective covers.

The product is applied with a stainless steel metal spatula or with a special gun for viscous materials.

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CONSUMPTION:

The consumption of **Flex Bond** is about 3-4 kg/m². It depends on the type of substrate, type of thermal insulation boards, tools, conditions and method of application.

PACKAGING - SHADES:

The product is packaged in 25Kg plastic containers in White shade.

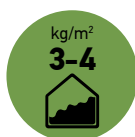
STORAGE:

Stored in a dry environment with temperature between +5°C and +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.



With its guarantee

KRAFT
PAINTS

DRIVEN BY INNOVATION

06/2022 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 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, 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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