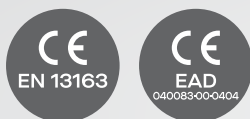
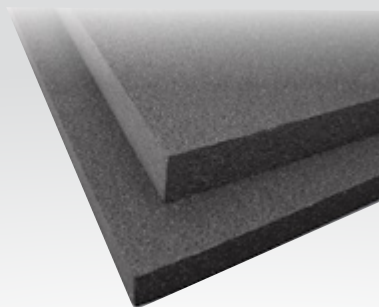


EPS Graphite (80, 100, 150, 200)

Graphite expanded
polystyrene



ETA EOTA



- » High thermal insulation protection
(very low coefficient of thermal conductivity
 λ : 0,030 – 0,031 W/mK)
- » Very good mechanical strength.
- » High compressive strength.
- » Resistant to moisture.
- » Low resistance to water vapor permeability.
- » Very easy to apply and process
(mounting, cutting, sanding, etc.).
- » Lightweight thermal insulation material.
- » Resistance to temperatures from -80°C to +80°C.
- » It is not affected by fungi and bacteria.
- » Resistant to natural oils.

EPS Graphite (80, 100, 150, 200) is a graphite thermal insulation board of Expanded Polystyrene. It contains graphite mass, which reduces the heat generated by further reducing the coefficient of thermal conductivity (λ) compared to white expanded polystyrene. It is available in different types depending on the compression strength (kPa) and thickness.

It is certified according to EN 13163 and participates as an insulating material in the certified external thermal insulation system of CLIMAWALL[®] of BIOCLIMA[®] according to EAD 040083-00-0404.

EPS Graphite (80,100,150,200)

bioclima.gr

Graphite expanded polystyrene

TECHNICAL CHARACTERISTICS					
Characteristic	Method	EPS GRAPHITE 80	EPS GRAPHITE 100	EPS GRAPHITE 150	EPS GRAPHITE 200
Density (Kg/m ³)		15,5 (±2)	16,5 (±2)	23,5 (±2)	28,0 (±2)
Reaction to Fire	EN 13501-1	E	E	E	E
Thermal conductivity c. (λ_d) [W/mK]	EN 12667	0.031	0,030	0,030	0,030
Thermal resistance (R_d) [m ² K/W]	EN 12667	Refer to the relevant table			
Thickness (T)	EN 823	±1	±1	±1	±1
Dimension tolerance of Length (L)	EN 822	±2	±2	±2	±2
Dimension tolerance of Width (W)	EN 822	±2	±2	±2	±2
Dimension tolerance of Squareness (S)	EN 824	±2	±2	±2	±2
Dimension tolerance of Flatness (P)	EN 825	±5	±5	±5	±5
Dimensional stability (23°C/50%ϕyp) DS(N)	EN 1603	≤2%	≤2%	≤2%	≤2%
Water absorption by partial immersion for 24 hours WL(P) [kg/m ²]	EN 12088	≤0,5%	≤0,5%	≤0,5%	≤0,5%
Compressive strength at 10% thickness deformation (kPa)	EN 826	≥80	≥100	≥150	≥200
Tensile strength perpendicular to faces (kPa)	EN 1607	≥150	≥100	≥150	≥150
Bending strength (kPa)	EN 12089	≥125	≥150	≥200	≥250
Shear strength f_{tk} (N/mm ²)	EN 12090	≥0,02	≥0,02	≥0,02	≥0,02
Shear modulus G_m (N/mm ²)	EN 12090	≥1,0	≥1,0	≥1,0	≥1,0

EPS Graphite (80,100,150,200)

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Graphite expanded
polystyrene

PACKAGING:


Οι διαστάσεις της EPS Graphite είναι 1,00mX0,60m. Αναλόγως του πάχους τους διατίθενται στις ακόλουθες ποσότητες:

Board Thickness	Packaging content (boards pcs)	Packaging content (m ²)
2cm	25	15,00
3cm	16	9,60
4cm	12	7,20
5cm	10	6,00
6cm	8	4,80
7cm	7	4,20
8cm	6	3,60
9cm	5	3,00
10cm	5	3,00

Different thermal insulation boards thickness can be delivered under special request/order.

CONSUMPTION:

The consumption of EPS Graphite, is 1 m²/m².

	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



Thickness (cm)	Thermal Resistance (R _d) [m ² K/W] EN 12667	
	EPS GRAPHITE 80	EPS GRAPHITE 100/150/200
2	0,645	0,667
3	0,968	1,000
4	1,290	1,333
5	1,613	1,667
6	1,935	2,000
7	2,258	2,333
8	2,581	2,667
10	3,226	3,333
12	3,871	4,000
14	4,516	4,667
16	5,161	5,333
18	5,806	6,000
20	6,452	6,667

STORAGE:

Stored in a dry environment with temperature between +5°C and +35°C, away from direct sunlight and rain. 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 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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