

FRAGMAT NEO SUPER F

Description of the product: Cut board of graphite expanded polystyrene(EPS)

Characteristics of the product: Boards Fragmat NEO SUPER F are with grey-black colour, without aroma and it doesn't consist any harmful ingredients. The boards are in rectangular form 0.5m x 1.0m, with standard thickness from 10mm to 200mm.

Graphite additives for improving thermal insulation properties – smaller insulation thickness is sufficient

The quality responds to standard EN 13163, and reaction to fire responds to DIN 4103 in class B1, or by EN 13501-1 in class E. It doesn't consists Freon (CFC free).

Code index by EN 13163:

EPS-EN 13163-T2-L2-W2-S1-P5-BS150-CS(10)90-WL(T)2-MU-DS(70,-)1-TR190

Characteristic	EN Method	Unit	Declaration	Tolerance
Length	822	mm	L2	± 2
Width	822	mm	W2	± 2
Thickness	823	mm	T2	± 1
Squareness 1000 mm	824	mm	S1	± 5
Flatness	825	mm	P5	± 3
Bending strength	12089	kPa	BS182	≥ 100
Tensile strength	1607	kPa	194	≥ 100
	DIN 1408-10	kPa	194	≥ 100
Dimensional stability	1604	%	DS(70,-)	± 1.0
Reaction to fire	EN 13501-1		class E	
Thermal resistance (λ _D)	12667	W/m.K	0.030	VDM
Compressive strength (at 10% deformation)	EN 826	kPa	92	≥ 90

Thickness – d (mm)

10	20	30	40	50	70	80	100	120	140	150	160	180	200
0.33	0.66	0.99	1.32	1.65	2.31	2.65	3.31	3.97	4.63	4.97	5.29	5.96	6.62

Thermal resistance – RD [m²K/W]

Intended use: Boards Fragmat Graphite NEO SUPER F are in use for thermal insulation, to protect the object in according to ETAG 004, exterior walls with stucco finish (ETICS) or brick (three-layer), frame walls, beamed ceilings, pitched roofs (between rafters), balconies and loggias

Method of building: Most suitable way is with sticking and mechanic attachment. While the construction process it should not be a subject of direct sunbeam (compulsorily use of protecting nets)

Storing; Packing The packing are in packages, which consist 0.25 m³ per package, with PE foil. The packing is taking at closed room, protected from UV ray, warmth, flame and other chemicals which can damage the product.

For the product is issued: EC declaration of performance, according to European directive of construction materials.

Certification body: NIISM, SOFIA, Ilija Beshkov 1
Accredited by IA "BSA"



Declaration of performance no.DOP-01-06/21 according to Regulation (EU) no.305/2011