

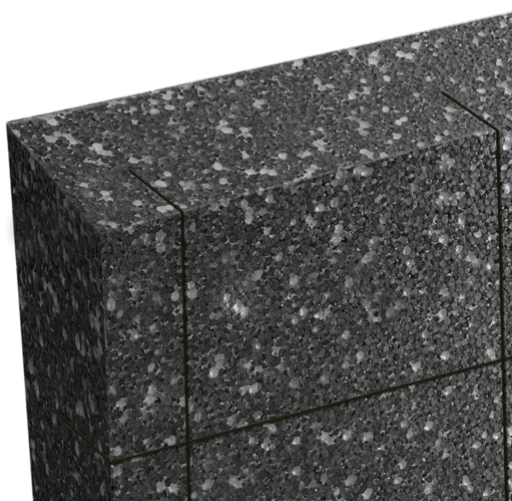
Torggler

eTics

Thermal Insulation

ETICS BLACK ALL SEASON

Sintered expanded polystyrene panel with graphite/other carbon derivatives additive, cut from block, straight edge for the thermal insulation of vertical walls with coat.



- Constant density
- Excellent cutting accuracy

APPLICATION AREAS

eTics Black All Season is the straight-edge block-cut roofing sheet made of graphite-added expanded polystyrene. Thanks to the graphite contained in the raw material, the panel is the right combination of high insulating capacity, breathability and elasticity. The sheets are made starting from a block that is suitably cut with hot wire: this process favours the creation of rough surfaces, ideal for the adhesion of all the components of the Ekomix EPS system. The standard size of Etics Black All Season insulating sheets is 1000x500 mm, with thickness starting from 30 mm.

FEATURES

Sintered expanded polystyrene panel with graphite/other carbon derivatives additive, cut from block, straight edge for the thermal insulation of vertical walls with coat. The detensioning cuts on the extrados of the panel

allow for greater elasticity and reduced plastic deformation. Product with CE and ETICS marking, CAM certified. The panel is made up of at least 10% second use material.

TECHNICAL SPECIFICATIONS

PARAMETER AND METHOD	SIGN	UNIT OF MEASURE	VALUE	NORM
Thermal conductivity	λ_D	W/(m·K)	0,031	EN 12667
Width tolerance	W2	mm	± 2	EN 822
Length tolerance	L2	mm	± 2	EN 822
Thickness tolerance	T2	mm	± 1	EN 823
Squareness	S2	mm/mm	$\pm 2/1000$	EN 824
Planarity	P5	mm	± 5	EN 825
Dimensional stability under normal conditions	DS(N)	%	$\pm 0,2$	EN 1603
Water vapour diffusion resistance factor	μ	–	30-70	EN 12086
Fire behaviour	–	Euroclass	E	EN 13501-1
Thermal resistance	RD	(m ² ·K)/W		EN 12667
	30 mm		0,97	
	40 mm		1,29	
	50 mm		1,61	
	60 mm		1,94	
	80 mm		2,58	
	100 mm		3,23	
	120 mm		3,87	
	140 mm		4,52	
	160 mm		5,16	
	180 mm		5,80	
	200 mm		6,45	
Resistance to bending	BS	KPa	≥ 150	EN 12089
Tensile strength perpendicular to surfaces	TR	KPa	≥ 150	EN 1607
Water absorption after immersion in water	WL(T)	%	≤ 3	EN 12087
Water vapour permeability	δ	mg/(Pa·h·m)	0,018 – 0,036	EN 12087
Water absorption after partial immersion in water	Wlp	Kg/m ²	$\leq 0,5$	EN 12087
Specific heat capacity	c	J/(Kg·K)	1260	UNI EN 12524
Coefficient of linear thermal expansion	K ⁻¹	–	$65 \cdot 10^{-6}$	
Thickness	100 mm, 120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 30 mm, 40 mm, 50 mm, 60 mm, 80 mm			
Dimensions	1000x500 mm			
Packaging size	10 piece, 12 piece, 15 piece, 20 piece, 3 piece, 4 piece, 5 piece, 6 piece, 7 piece			
m ² Package	1,50 m ² , 10 m ² , 2 m ² , 2,5 m ² , 3 m ² , 3,50 m ² , 5 m ² , 6 m ² , 7,5 m ²			

m ² Pallet	100 m ² , 15 m ² , 20 m ² , 25 m ² , 30 m ² , 35 m ² , 50 m ² , 60 m ² , 75 m ²
Pallet	10 packages
Packaging	package

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