CÂNHAMOR
ECOblocks® Ibérica

ECOblocks

Technical Data Sheet

Characteristics	Unit	7 cm	11 cm	15 cm	Standard	
Modular Dimensions	mm	590x285	590x285	590x285	EN 772-16	
Width	mm	70	110	150	EN 772-16	
Blocks/m²	blocks	5.7	5.7	5.7	-	**
Dry Weight	kg	3.7	5.9	8	-	
Maximum Weight	kg	4.6	7.2	9.8	-	
Dry Apparent Density	kg/m³	318 +- 10			EN 772-13	
Adhesive Mortar Consumption	kg/m²	3.5	5.5	7.5	-	**
Compressive Strength	kPa	>= 200			EN 772-1	*
Dry Thermal Conductivity	W/m°C	0.069			EN 12664	
Dry Thermal Resistance	m²k/w	1.01	1.59	2.17	EN 12664	
Thermal Transmission Coefficient	W/m²°C	0.91	0.59	0.44	ISO 6946	***
Specific Heat Capacity	J/kg°C	1142			ISO 13786	
Thermal Delay	h	3.4	5.3	7.2	ISO 13786	*
Reaction to Fire	-	B-s1-d0			EN 13501-1	
Resistance to Fire (EI)	min	-	-	EI 180	EN 13501-2	***
Sound Absorption Coefficient α	-	0.8	0.9	0.9	NP EN ISO 354	*
Sound Resistance Index RW	dB	33	38	39	ISO 10140-1, 2, 4	***
Water Vapour Diffusion Resistance Factor μ	-	6.51			ISO 12572	
Sd - Diffusion Equivalent Thickness	m	0.46	0.72	0.98	EN ISO 12572	*
Water Absorption by Capillarity	g/(m².s)	2.8			EN 772-11	
Drying Shrinkage	mm/m	0.25			EN 772-14 : 2002	
Carbon Footprint/m²	kg CO_2 eq.	-2.48	-3.9	-5.32	EN 15804	****

* Estimated values based on tests carried out on 20 and 30 cm ECOblocks.
** With 8 mm of adhesive mortar.
*** With 2.25 cm of plaster.
**** Values based on existing EPDs.

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Technical Data Sheet

Characteristics	Unit	20 cm	25 cm	28.5 cm	32 cm	Standard	
Modular Dimensions	mm	590x285	590x285	590x320	590x285	EN 772-16	
Width	mm	200	250	285	320	EN 772-16	
Blocks/m²	blocks	5.7	5.7	5.1	5.7	-	**
Dry Weight	kg	10.7	13.4	17.1	17.1	-	
Maximum Weight	kg	13.1	16.3	20.9	20.9	-	
Dry Apparent Density	kg/m³	318 +- 10				EN 772-13	
Adhesive Mortar Consumption	kg/m²	10	12.5	11.58	15.98	-	**
Compressive Strength	kPa	>= 200				EN 772-1	*
Dry Thermal Conductivity	W/m°C	0.069				EN 12664	
Dry Thermal Resistance	m²k/w	2.90	3.62	4.13	4.64	EN 12664	
Thermal Transmission Coefficient	W/m²°C	0.33	0.27	0.24	0.21	ISO 6946	***
Specific Heat Capacity	J/kg°C	1142				ISO 13786	
Thermal Delay	h	9.6	12	13.7	15.4	ISO 13786	*
Reaction to Fire	-	B-s1-d0				EN 13501-1	
Resistance to Fire (EI)	min	EI 180	EI 240	≥ EI 240	≥ EI 240	EN 13501-2	***
Sound Absorption Coefficient α	-	0.9	0.9	0.95	0.95	NP EN ISO 354	*
Sound Resistance Index RW	dB	40	> 40	42	43	ISO 10140-1, 2, 4	***
Water Vapour Diffusion Resistance Factor μ	-	6.51				ISO 12572	
Sd - Diffusion Equivalent Thickness	m	1.3	1.63	1.86	2.08	EN ISO 12572	*
Water Absorption by Capillarity	g/(m².s)	2.8				EN 772-11	
Drying Shrinkage	mm/m	0.25				EN 772-14 : 2002	
Carbon Footprint/m²	kg CO_2 eq.	-7.09	-8.87	-10.11	-11.35	EN 15804	****

* Estimated values based on tests carried out on 20 and 30 cm ECOblocks.
** With 8 mm of adhesive mortar.
*** With 2.25 cm of plaster.
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