



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/m ²	blocks	5.7	5.7	5.7	-	**
Dry Weight	kg	4.1	6.4	8.7	-	
Maximum Weight	kg	4.8	7.5	10.3	-	
Dry Apparent Density	kg/m ³	345			EN 772-13	
Adhesive Mortar Consumption	kg/m ²	3.5	5.5	7.5	-	**
Compressive Strength	kPa	≤ 150	≤ 150	≥ 150	EN 772-1	*
Dry Thermal Conductivity	W/m°C	0.069			EN 12664	
Dry Thermal Resistance	m ² k/w	1.01	1.59	2.17	EN 12664	
Thermal Transmission Coefficient	W/m ² °C	0.91	0.59	0.44	ISO 6946	***
Specific Heat Capacity	J/kg°C	1091.8			-	
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	≤ EI 180	≤ EI 180	EN 13501-2	*
Sound Absorption Coefficient α	-	≤ 0.9	≤ 0.9	≤ 0.9	NP EN ISO 354	*
Sound Resistance Index RW	dB	≤ 42	≤ 42	≤ 42	ISO 10140-1, 2, 4	* ***
Water Vapour Diffusion Resistance Factor μ	-	5.25			ISO 12572	
Sd - Diffusion Equivalent Thickness	m	0.37	0.58	0.79	EN ISO 12572	*
Carbon Footprint/m ²	kg CO ₂ e	-2.35	-3.7	-5.04	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/m ²	blocks	5.7	5.7	5.1	5.7	-	**
Dry Weight	kg	11.6	14.5	18.6	18.6	-	
Maximum Weight	kg	13.7	17.1	22	22	-	
Dry Apparent Density	kg/m ³	345				EN 772-13	
Adhesive Mortar Consumption	kg/m ²	10	12.5	11.58	15.98	-	**
Compressive Strength	kPa	200	≥ 300	≥ 300	≥ 300	EN 772-1	*
Dry Thermal Conductivity	W/m°C	0.069				EN 12664	
Dry Thermal Resistance	m ² °K/W	2.90	3.62	4.13	4.64	EN 12664	
Thermal Transmission Coefficient	W/m ² °C	0.33	0.27	0.24	0.21	ISO 6946	***
Specific Heat Capacity	J/kg°C	1091.8				-	
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 180	≥ EI 180	≥ EI 240	EN 13501-2	*
Sound Absorption Coefficient α	-	0.9	≥ 0.9	≥ 0.9	≥ 0.95	NP EN ISO 354	*
Sound Resistance Index RW	dB	42	≥ 42	≥ 42	≥ 45	ISO 10140-1, 2, 4	* ****
Water Vapour Diffusion Resistance Factor μ	-	5.25				ISO 12572	
Sd - Diffusion Equivalent Thickness	m	1.05	1.32	1.5	1.69	EN ISO 12572	*
Carbon Footprint/m ²	kg CO ₂ e	-6.73	-8.41	-9.58	-10.76	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.

