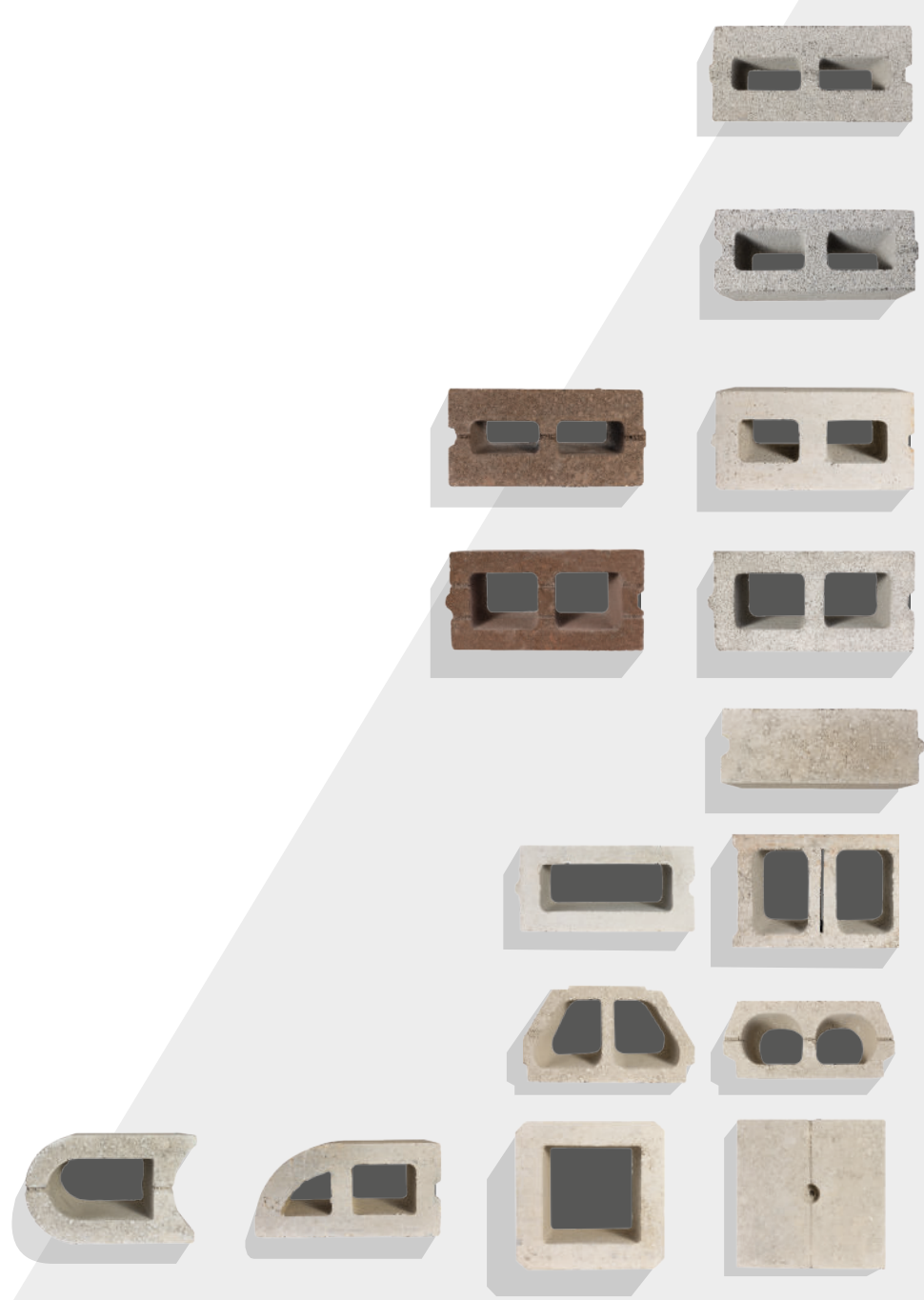


# Concrete Blocks

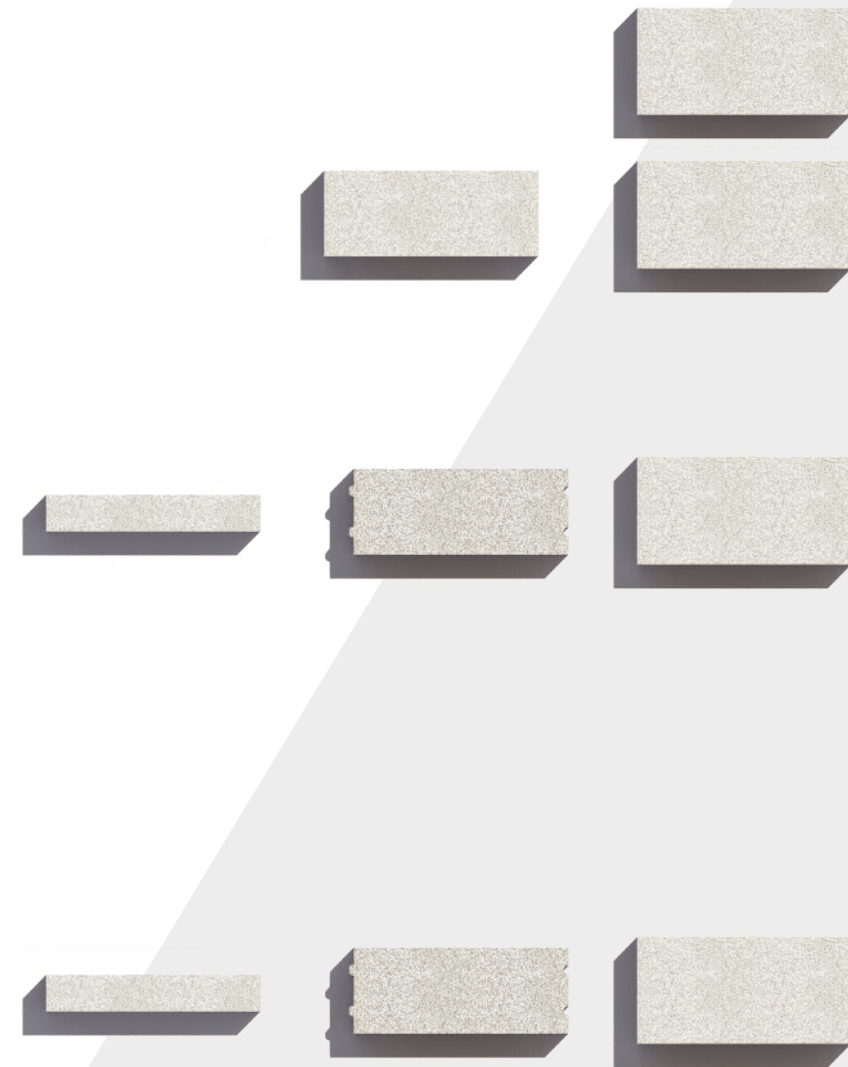


Model	Dimensions			Configuration	Typical dry weight (1pcs)	Infill volume	Mean compressive strength	Shear bond strength	Block Density	Concrete density	Typical water absorption	Moisture movement	Water vapour permeability	Typical Thermal Conductivity	Reaction to fire	Notes	
	W	L	H														
	EN 772-16			EN 1996-1-1			EN 772-1	EN 998-2	EN 772-13	EN 772-13	EN 772-11	EN 1996-1-1	EN 1745	EN 1745			
	mm				kg	cm <sup>3</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	kg/m <sup>3</sup>	kg/m <sup>3</sup>	g/m <sup>3</sup>	mm/m	μ	W/mK (10,dry Mat)	Euroclass		
Structural lightweight HCB	6"	145	450	255	hollow group/2	18.0	5489.640	6	0.15	1030	1500	12.5	-0.1 to -0.2	5 / 15	0.53	A1	
	7"	173	450	255	hollow group/2	21.0	5319.300	6	0.15	1120	1490	12.5	-0.1 to -0.2	5 / 15	0.50	A1	
	9"	220	450	255	hollow group/2	22.0	10296.135	6	0.15	800	1289	12.5	-0.1 to -0.2	5 / 15	0.52	A1	
Non-structural lightweight HCB	4"	100	450	255	hollow group/2	12.0	3665.200	2	-	730	1070	21	-	5 / 15	0.33	A1	
	6"	145	450	255	hollow group/2	14.0	5489.640	2	0.15	680	990	21	-	5 / 15	0.27	A1	
	7"	173	450	255	hollow group/2	17.0	5319.300	3	0.15	760	1020	21	-	5 / 15	0.28	A1	
	9"	220	450	255	hollow group/2	19.0	10296.135	3	0.15	600	980	21	-	5 / 15	0.36	A1	
Normal density non-structural HCB	2.5"	60	450	255	hollow group/1	13.0	-	3	-	1700	1700	12	-0.6 to -0.1	5 / 15	0.75	A1	Also available as 100% recycled
	4"	100	450	255	hollow group/2	15.0	3665.200	5	-	1100	1700	12	-0.6 to -0.1	5 / 15	0.49	A1	Also available as 100% recycled
Normal density structural HCB	6"	145	450	255	hollow group/2	24.0	5489.640	6	0.15	1250	1850	12	-0.6 to -0.1	5 / 15	0.59	A1	Also available as 100% recycled
	7"	173	450	255	hollow group/2	27.0	5319.300	6	0.15	1350	1850	12	-0.6 to -0.1	5 / 15	0.63	A1	Also available as 100% recycled
	9" SD	220	450	255	hollow group/2	31.0	10296.135	6	0.15	1100	1800	12	-0.6 to -0.1	5 / 15 - 30 / 100	0.70	A1	Also available as 100% recycled
	9" DD	220	450	255	hollow group/2	38.0	13525.200	7	0.15	1350	1800	12	-0.6 to -0.1	5 / 15	0.68	A1	Also available as 100% recycled
Solid Concrete Blocks	4"	100	450	255	hollow group/1	23.0	-	5	-	1800	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	6"	145	450	255	hollow group/1	31.5	-	6	0.15	1800	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	7"	173	450	255	hollow group/1	33.0	-	6	0.15	1800	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	9"	220	450	255	hollow group/1	49.0	-	7	0.15	1800	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
Infill Blocks	300DC	300	450	255	hollow group/2	27.0	19247.400	2	0.15	784	1943	11.5	-0.6 to -0.1	5 / 15	0.90	A1	Also available as 100% recycled
	230SC	300	450	255	hollow group/2	24.8	22799.040	2	0.15	721	1896	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
Roof Blocks	6"	152	390	255	hollow group/2	18.5	-	6	0.15	1100	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	8"	200	410	255	hollow group/2	22.8	-	6	0.15	1100	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	10"	250	340	255	hollow group/2	21.0	-	6	0.15	1100	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
Special Blocks	230 Round	220	450	255	hollow group/2	26.0	7327.680	6	0.15	1100	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	9"curved wall	220	350	255	hollow group/2	19.0	5833.125	6	0.15	1100	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available as 100% recycled
	Chimney	350	350	260	hollow group/2	30.0	-	3.2	0.15	1000	1800	11.5	-0.6 to -0.1	5 / 15	0.82	A1	Also available in colour or 100% recycled
	PV Couter-weight	400	400	100	-	32.0	-	20	-	2050	1800	10	-	5 / 15	-	A1	Also available as 100% recycled

All dimensional tolerances according to CAT. D1 (EN 771-3)  
Where indicated "100% recycled" refers to the 100% quota of recycled aggregates



# AAC Blocks



Model	Dimensions			Configuration	Typical dry weight (1pcs)	Typical Block dry density	Mean compressive strength	Cross-sectional compression strength	Typical wall dry density	Moisture movement	Water vapour permeability	Typical Thermal Conductivity	Soundproofing capacity	Reaction to fire	Notes	
	W	L	H													
	EN 771-4			EN 771-4	kg ± 5%	kg/m³ ± 50	EN 1996-1-1	EN 1996-1-1	EN 771-4	EN 771-4	EN 771-4	EN 1745	EAACA	Euroclass		
	mm						N/mm²	N/mm²	kg/m³ ± 60	mm/m ε <sub>cs,ref</sub>	μ	W/mK (10, dry Mat)	dB			
Sysmic structural AAC Blocks	SYS24L	240	600	250	Group 1	20.9	500	5.0	4.5	700	≤ 0.06	5 / 10	0.13	50	A1	With tongue/groove joint
	SYS30L	300	600	250	Group 1	26.1	500	5.0	5.0	700	≤ 0.06	5 / 10	0.13	50	A1	With tongue/groove joint
Sysmic Hydro structural AAC Blocks	HySYS24	240	600	250	Group 1	20.9	580	5.0	4.5	700	≤ 0.04	5 / 10	0.13	50	A1	As the Sysmic but hydrophobized
	HySYS30	300	600	250	Group 1	26.1	580	5.0	5.0	700	≤ 0.04	5 / 10	0.13	52	A1	As the Sysmic but hydrophobized
	HySYS37	375	600	250	Group 1	32.6	580	5.0	5.0	700	≤ 0.04	5 / 10	0.13	54	A1	Hydrophobized
	HySYS40*	400	600	250	Group 1	34.8	580	5.0	5.0	700	≤ 0.04	5 / 10	0.13	55	A1	Hydrophobized - Available on request
Evolution structural AAC Blocks	EVO5L	50	600	250	Group 1	3.6	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	38	A1	To be used as joint cover
	EVO8L	80	600	250	Group 1	5.7	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	38	A1	Also available with tongue/groove joint
	EVO10L	100	600	250	Group 1	7.1	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	40	A1	Also available with tongue/groove joint
	EVO12L	120	600	250	Group 1	8.5	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	41	A1	Also available with tongue/groove joint
	EVO15L	150	600	250	Group 1	10.6	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	43	A1	Also available with tongue/groove joint
	EVO20L	200	600	250	Group 1	14.2	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	46	A1	Also available with tongue/groove joint
	EVO24L	240	600	250	Group 1	17.0	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	48	A1	Available with tongue/groove joint on request
	EVO30L	300	600	250	Group 1	21.2	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	50	A1	Available with tongue/groove joint on request
	EVO35L	350	600	250	Group 1	24.8	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	52	A1	Available with tongue/groove joint on request
EVO40L	400	600	250	Group 1	28.3	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	53	A1	Available with tongue/groove joint on request	
Evolution Hydro structural AAC Blocks	HyEVO8*	80	600	250	Group 1	5.8	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	38	A1	Available on request
	HyEVO10*	100	600	250	Group 1	7.2	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	40	A1	Available on request
	HyEVO12*	120	600	250	Group 1	8.6	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	41	A1	Available on request
	HyEVO15*	150	600	250	Group 1	10.5	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	43	A1	Available on request
	HyEVO20	200	600	250	Group 1	14.4	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	46	A1	Available on request
	HyEVO24	240	600	250	Group 1	17.3	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	48	A1	Available with tongue/groove joint on request
	HyEVO30	300	600	250	Group 1	21.6	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	50	A1	Available with tongue/groove joint on request
	HyEVO35	350	600	250	Group 1	21.2	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	50	A1	Available with tongue/groove joint on request
	HyEVO37	375	600	250	Group 1	27.0	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	52	A1	Available with tongue/groove joint on request
	HyEVO40	400	600	250	Group 1	28.8	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	53	A1	Available with tongue/groove joint on request
	HyEVO45	450	600	250	Group 1	32.4	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	54	A1	Available with tongue/groove joint on request
HyEVO50	500	600	250	Group 1	36	480	4.8	3.3	600	≤ 0.06	5 / 10	0.11	55	A1	Available with tongue/groove joint on request	



All dimensional tolerances according to EN 771-4 cat. I  
All blocks to be considered as Group Element 1 according to EN 1996-1-1.





