

PRODUCT DATASHEET

AAC BLOCK

General Features

Exeed Litecrete LLC - The UAE's leading manufacturer of Autoclaved Aerated Concrete (AAC), lightweight, 'green building' solutions, available in blocks, panels and lintels.

Exeed Industries is the UAE's ONLY manufacturer and supplier of Autoclaved Aerated Concrete (AAC) products, masonry mortars and plaster materials, providing a convenient, single source solution for high efficiency wall installations under one trusted brand.



**Non
Combustible**



**Environmental
Credentials**



**Fast
Construction**



**Acoustic
Insulation**



**Thermal
Insulation**



Workability



**Moisture
Resistant**

Grades of Exeed Litecrete AAC – Blocks

Physical and design properties

Properties					
Specifications	Units	Class			
		E0	E2	E3	E4
Dry Density	Kg/m ³	430 ± 50	500 ± 50	600 ± 50	650 ± 50
Aeration Method		Chemical Reaction			
Curing Process		Autoclaving			
Ave. Compressive Strength	N/mm ²	3.2	3.2	5.0	≥ 5.5
Thermal Conductivity	W/mK	0.12	0.135	0.14	0.18
Acoustic Test (STC) for 200mm Thick AAC Block	DB	45	48	50	50
Fire Resistance	Hours	Four (4) hours @ 100 mm (Warrington Fire Assessment WF 407646)			
Elastic Modules	N/mm ²	1400	1750	2250	≥ 2250



An ISO Certified Company

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A certified and approved EHS Management System Company by Industrial Development Bureau

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Exeed Litecrete AAC Blocks: dimensions and packaging details

AAC BLOCKS

Specifications	UoM	Grades			
		E0	E2	E3	E4
Dry Density	kg/m ³	430±50	500±50	600±50	650±50
Ave. Compressive Strength	N/mm ²	> 3.2	> 3.2	> 5.0	> 5.5
Thermal Conductivity	W/mK	0.12	0.135	0.14	0.18
Acoustic Test (STC) for 200mm	STC	45	48	50	50
Fire Resistance	Hours	Four (4) hours @ 100 mm (Warrington Fire Assessment WF)			

Dimensions, m			Packaging Details			Bundle (m)			Profile	Weight/Pallet (kg)				Weight/Pc (kg)			
Length, m	Height, m	Thickness, m	m ³ /Pallet	Pcs/Pallet	Pallets/Traile	L	H	W		E0	E2	E3	E4	E0	E2	E3	E4
0.60	0.25	0.05	2.160	288.00	20	1.20	1.90	1.00	PL	1,008.00	1,154.88	1396.80	1,512.00	3.50	4.01	4.85	5.25
0.60	0.25	0.10	2.160	144.00	20	1.20	1.90	1.00	PL	1,065.60	1,173.60	1382.40	1,504.80	7.40	8.15	9.60	10.45
0.60	0.25	0.15	2.160	96.00	20	1.20	1.90	1.00	PL	1,056.00	1,166.40	1387.20	1,502.40	11.00	12.15	14.45	15.65
0.60	0.25	0.20	2.160	72.00	20	1.20	1.90	1.00	PL	1,080.00	1,155.60	1386.00	1,504.80	15.00	16.05	19.25	20.90
0.60	0.25	0.25	2.100	56.00	20	1.20	1.85	1.00	PL	1,036.00	1,122.80	1348.48	1,461.60	18.50	20.05	24.08	26.10
0.60	0.25	0.30	2.160	48.00	20	1.20	1.90	1.00	PL	1,065.60	1,154.40	1382.40	1,502.40	22.20	24.05	28.80	31.30
0.60	0.25	0.35	2.100	40.00	20	1.20	1.85	1.00	PL	1,034.00	1,123.20	1348.00	1,460.80	25.85	28.08	33.70	36.52
0.60	0.25	0.40	1.920	32.00	20	1.20	1.90	1.00	PL	944.00	1,027.20	1232.00	1,336.00	29.50	32.10	38.50	41.75
Length, m	Height, m	Thickness, m	Length, m	Height, m	Thickn ess, m	L	H	W	PL	E0	E2	E3	E4	E0	E2	E3	E4
0.60	0.20	0.05	2.592	432.00	20	1.20	1.90	1.20	PL	1,274.40	1,386.72	1663.20	1,814.40	2.95	3.21	3.85	4.20
0.60	0.20	0.10	2.592	216.00	20	1.20	1.90	1.20	PL	1,274.40	1,386.72	1663.20	1,803.60	5.90	6.42	7.70	8.35
0.60	0.20	0.15	2.592	144.00	20	1.20	1.90	1.20	PL	1,274.40	1,389.60	1663.20	1,802.88	8.85	9.65	11.55	12.52
0.60	0.20	0.20	2.592	108.00	20	1.20	1.90	1.20	PL	1,275.48	1,387.80	1663.20	1,803.60	11.81	12.85	15.40	16.70
0.60	0.20	0.25	2.160	72.00	20	1.20	1.85	1.20	PL	1,062.72	1,155.60	1386.00	1,504.80	14.76	16.05	19.25	20.90
0.60	0.20	0.30	2.592	72.00	20	1.20	1.90	1.20	PL	1,275.84	1,386.00	1663.92	1,807.20	17.72	19.25	23.11	25.10
0.60	0.20	0.35	2.520	60.00	20	1.20	1.85	1.20	PL	1,240.80	1,348.80	1617.60	1,755.00	20.68	22.48	26.96	29.25
0.60	0.20	0.40	1.920	32.00	20	1.20	1.90	1.20	PL	756.16	821.76	985.60	1,072.00	23.63	25.68	30.80	33.50



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