

Thermal Ratings

Wall Section Configuration ZEGO Series	Value		ZEGO Domestic													ZEGO Fire Forms						ZEGO Z Board			
	K	R	150	200	250	52+ 52	52 +60	60 + 60	60 + 60	60 + 60	60 + 60	60 + 100	60 + 100	60 + 100	60 + 150	60 + 150	60 + 150	52	60	100	150				
	mm	mm	80	100	150	136	128	120	150	200	128	158	208	128	158	208									
Concrete core width			80	100	150	136	128	120	150	200	128	158	208	128	158	208									
Form width without finishes			143	190	238	238	238	238	270	320	288	318	368	338	368	418									
Components	Value																								
Outside air film	0.026	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024						
10mm Cement Render	0.88	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006						
ZEGO Domestic Series																									
80mm Concrete																									
89.1% of cross section	1.77	0.07128																							
100mm Concrete																									
83.3% of cross section	1.77		0.0833																						
150mm Concrete																									
83.3% of cross section	1.77			0.12495																					
ZEGO Fire Form Series																									
136mm Concrete	1.77				0.144																				
128mm Concrete	1.77					0.136																			
120mm Concrete	1.77						0.128																		
150mm Concrete	1.77							0.158																	
200mm Concrete	1.77								0.208																
128mm Concrete	1.77									0.134															
158mm Concrete	1.77										0.166														
208mm Concrete	1.77											0.216													
128mm Concrete	1.77												0.136												
158mm Concrete	1.77													0.166											
208mm Concrete	1.77														0.216										
Insulating Faces																1.485432	1.71396	2.8566	4.2849						
33mm + 33mm = 66mm	0.035	1.885356																							
45mm + 45mm = 90mm	0.035		2.57094																						
45mm + 45mm = 90mm	0.035			2.57094																					
52mm + 52mm = 104mm	0.035				2.970864																				
52mm + 60mm = 112mm	0.035					3.199392																			
60mm + 60mm = 120mm	0.035						3.42792																		
60mm + 60mm = 120mm	0.035							3.42792																	
60mm + 60mm = 120mm	0.035								3.42792																
60mm + 100mm = 160mm	0.035									4.57056															
60mm + 100mm = 160mm	0.035										4.57056														
60mm + 100mm = 160mm	0.035											4.57056													
60mm + 150mm = 210mm	0.035												5.99886												
60mm + 150mm = 210mm	0.035													5.99886											
60mm + 150mm = 210mm	0.035														5.99886										
Cross Web Domestic Forms																									
20.9% of cross section	0.035	0																							
16.7% of cross section	0.035		0																						
16.7% of cross section	0.035			0																					
5mm Still Air Gap Behind Plasterboard		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1										
10mm Plasterboard	0.17	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059										
13mm Plasterboard	0.17	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077										
Inside Air film	0.03	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.01	0.01	0.01						
OVERALL R VALUE		2.322636	2.89624	3.06189	3.480864	3.701392	3.92192	3.95192	4.00192	5.07056	5.10256	5.15256	6.50086	6.53086	6.58086	1.525432	1.75396	2.8966	4.3249						
With ZEGO CellFlow		0.616	0.77	1.155	1.0472	0.9856	0.924	1.155	1.54	0.9856	1.2166	1.6016	0.9856	1.2166	1.6016										
Total R Rating With ZEGO Cellflow		2.938636	3.66624	4.21689	4.528064	4.686992	4.84592	5.10692	5.54192	6.05616	6.31916	6.75416	7.48646	7.74746	8.18246										