

Fire Ratings for Construction Types Based Upon IBC-06 Tables 601 and 602

The accel-E S.T.E.P. can be considered in all cases in Table #1 and Table #2 except as noted.

See Architectural Testnig, Inc.'s website for the accel-E Code Compliance Research Report CCRR-0121

http://www.archtest.com/certification/code_compliance_research_reports_ccrr.aspx

Table #1: Interior and Exterior Load Bearing Walls & Interior Non-Load Bearing Walls								
Building Element	Building Construction Type							
	1A	1B	2A	2B	3A	3B	5A	5B
Interior Bearing Walls	N/A ^d	N/A ^d	N/A ^d	0	N/A ^d	0	N/A ^d	0
Exterior Bearing Walls ^a	N/A ^d	N/A ^d	1 ^c	0	N/A ^d	N/A ^d	1 ^c	0
Ext. Non-Load Bearing ^b	See Table #2							
Int. Non-Load Bearing ^b	0	0	0	0	0	0	0	0

Notes:

- a. Not less than the fire resistance rating based upon fire separation distance (Table #2)
- b. Not less than the fire resistance rating required by other sections of the IBC.
(ex. Hotel corridor walls, elevator shaft walls)
- c. Only the 8" accel-E panel qualifies as a 1-hour load bearing wall.
- d. N/A denotes that the accel-E wall panels cannot meet the FRR requirements at this time.

Table #2: Exterior Load Bearing and Non-Load Bearing Walls ^a			
Bldg. Const. Type	Fire Separation Distance (ft)	Fire Resistance Rating (FRR)	Allowed Use Groups
1A, 1B, 2A, 2B, 3A, 3B, 5A, 5B	< 5	1 ^b	A, B, E, F2, I, R, S2, U
	< 5	1 ^b	A, B, E, F2, I, R, S2, U
1A	5 < 10	1	A, B, E, F2, I, R, S2, U
1B, 2A, 2B, 3A, 3B, 5A, 5B	5 < 10	1	A, B, E, F2, I, R, S2, U, F1, M, S1
	5 < 10	1	A, B, E, F2, I, R, S2, U, F1, M, S1
1A, 1B	10 < 30	1	A, B, E, F2, I, R, S2, U, F1, M, S1
2B, 5B	10 < 30	1	H
2B, 5B	10 < 30	0	A, B, E, F2, I, R, S2, U, F1, M, S1
2A, 3A, 3B, 5A	10 < 30	1	A, B, E, F2, I, R, S2, U, F1, M, S1, H
1A, 1B, 2A, 2B, 3A, 3B, 5A, 5B	> 30	0	A, B, E, F2, I, R, S2, U, F1, M, S1, H
	> 30	0	A, B, E, F2, I, R, S2, U, F1, M, S1, H

Notes:

- a. Load bearing exterior walls shall also comply with the fire resistance rating requirements in Table #1.
- b. This rating applies to Non-Load Bearing accel-E walls only.

Use Groups	
A =Assembly	M =Mercantile
B =Business	R =Residential
E =Educational	S =Storage
F =Factory and Industrial	U =Utility
I =Institutional	