

Results From NIST-Sponsored Tests at UL

Test	Description	Times to Reach End-Point Criteria (min)					Test Terminated (min)	Standard Fire Test Rating		
		Temperature on Unexposed Surface		Steel Temperatures		Failure to Support Load		ASTM E 119-61	ASTM E 119-00	
		Average (Ambient +250°F)	Maximum (Ambient +325°F)	Average (1100°F)	Maximum (1300°F)			Rating (hr)	Re-strained Rating (hr)	Un-restrained Rating (hr)
1	35 ft, restrained, 3/4 in fireproofing	---	111	66	62	***	116 [*]	1 1/2	1 1/2	1
2	35 ft, unrestrained, 3/4 in fireproofing	---	---	76	62	***	146 ^{**}	2	---	2
3	17 ft, restrained, 3/4 in fireproofing	180	157	86	76	***	210 ^{**}	2	2	1
4	17 ft, restrained, 1/2 in fireproofing	---	58	66	58	***	120 [*]	3/4	3/4	3/4

* Imminent collapse

** Vertical displacement exceeded capability to measure accurately

*** Did not occur