



Test Performance Data

Test	Raven Door Seals	Frequency (Hertz) vs STL (dB)																			
		STC	Rw	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Single 35mm Solid Core Doors																					
	*FULLY CAULKED DOOR	30	30	20.7	21.0	20.7	26.8	22.2	26.7	24.4	25.3	27.9	28.5	28.9	30.2	32.3	34.4	35.5	37.2	37.6	37.6
01	RP10 / RP10Si RP8Si	30	30	20.7	21.0	20.7	26.5	22.2	26.7	24.4	25.3	27.3	28.4	27.9	28.6	30.8	33.6	35.5	35.2	34.8	35.1
02	RP10 / RP10Si RP99Si	30	30	20.7	21.0	20.4	26.8	22.2	26.7	24.4	25.3	27.9	28.3	28.9	30.2	31.9	34.1	35.5	37.2	37.6	37.3
03	RP10 / RP10Si RP99Si	30	30	20.7	21.0	20.4	26.8	22.2	26.7	24.4	25.3	27.9	28.3	28.9	30.2	32.3	34.4	35.5	37.2	37.3	36.9
04	RP10 / RP10Si RP99Si	30	30	20.4	21.0	20.6	26.7	22.2	26.7	24.4	25.3	27.9	28.4	28.9	30.0	31.9	34.3	35.5	37.2	37.3	36.9
05	RP24 RP38	30	30	20.7	21.0	20.2	26.7	22.2	26.6	24.4	25.3	27.9	28.4	28.8	30.2	32.3	34.4	35.5	37.0	36.8	37.4
06	RP47Si RP38	30	30	20.6	21.0	20.4	26.6	22.2	26.3	24.3	25.3	27.9	28.4	28.8	30.2	32.3	34.4	35.5	36.5	37.0	37.3
07	RP78Si RP8Si	30	30	20.7	21.0	20.4	26.8	22.2	26.3	24.4	25.3	27.0	28.4	28.7	29.5	31.1	32.5	34.1	35.1	35.9	35.7
08	RP84Si RP8Si	30	30	20.7	21.0	20.7	26.5	22.2	26.7	24.4	25.3	27.3	28.4	27.9	28.6	30.8	33.6	35.5	35.2	34.8	35.1
09	RP93Si RP99Si	30	30	20.6	21.0	20.6	26.8	22.2	26.7	24.4	25.0	27.5	28.4	28.9	30.2	32.3	34.3	35.5	37.2	37.6	37.5
10	RP94Si RP8Si	29	29	20.5	20.7	20.6	26.6	22.2	26.2	24.2	24.7	25.6	28.3	27.6	28.0	29.6	30.6	33.1	34.5	34.3	34.3
Single 44mm Solid Core Doors																					
	*FULLY CAULKED DOOR	33	33	21.6	20.6	23.9	26.0	25.2	27.5	29.2	30.1	29.7	30.6	31.1	31.9	33.7	35.7	36.8	38.0	38.9	38.5
11	RP10 / RP10Si RP8Si	32	32	21.6	20.6	23.8	25.8	25.2	27.4	29.1	30.1	28.9	30.5	29.5	29.7	31.7	34.6	36.8	35.6	35.5	35.5
12	RP10 / RP10Si RP99Si	32	32	21.6	20.6	23.3	26.0	25.2	27.5	29.1	30.1	29.6	30.5	31.0	31.8	33.2	35.5	36.8	38.0	38.9	38.1
13	RP10 / RP10Si RP99Si	33	32	21.6	20.6	23.3	26.0	25.2	27.4	29.2	30.1	29.6	30.2	31.0	31.8	33.7	35.7	36.8	38.0	38.5	37.6
14	RP10 / RP10Si RP99Si	32	32	21.2	20.6	23.7	26.0	25.1	27.4	29.0	29.9	29.6	30.5	31.0	31.6	33.2	35.5	36.8	38.0	38.5	37.6
15	RP24 RP38	33	32	21.6	20.6	22.9	26.0	25.2	27.4	29.2	30.0	29.6	30.5	31.0	31.8	33.7	35.7	36.8	37.7	37.8	38.3
16	RP24 RP70	31	32	20.7	21.0	20.4	26.8	22.2	26.3	24.3	25.2	27.9	28.4	28.8	30.0	31.2	33.1	33.8	31.8	29.6	32.1
17	RP47Si RP38	32	32	21.6	20.6	23.2	25.9	25.2	27.0	29.0	30.0	29.6	30.5	31.0	31.8	33.7	35.7	36.5	37.2	38.1	38.1
18	RP47Si RP70	32	32	21.6	20.6	22.9	25.9	25.1	26.4	28.3	29.5	29.4	30.5	31.0	31.8	31.8	33.1	34.6	35.9	36.9	32.2
19	RP78Si RP8Si	32	32	21.6	20.6	23.3	26.0	25.2	27.1	29.1	29.9	28.3	30.5	30.8	30.9	32.1	33.2	35.0	35.6	36.7	36.2
20	RP84Si RP8Si	32	32	21.6	20.6	23.8	25.8	25.2	27.4	29.1	30.1	28.9	30.5	29.5	29.7	31.7	34.6	36.8	35.6	35.5	35.5
21	RP93Si RP99Si	32	32	21.5	20.6	23.7	26.0	25.2	27.5	29.0	29.2	29.1	30.5	31.0	31.8	33.7	35.5	36.8	38.0	38.9	38.4
22	RP94Si RP8Si	30	30	21.3	20.4	23.7	25.9	25.1	27.0	28.6	28.3	26.5	30.2	29.2	28.9	30.3	31.1	33.8	35.0	34.8	34.7
23	RP94Si RP99Si	30	30	21.3	20.5	22.6	25.9	24.6	25.8	28.1	28.8	28.6	30.2	30.4	29.0	27.5	27.9	31.0	33.7	34.5	32.8
24	RP120 RP8Si	31	31	19.5	23.9	28.0	29.5	30.5	30.5	31.9	31.0	29.8	28.0	28.2	30.0	31.8	33.3	34.1	35.2	37.0	38.5
25	RP150 RP8Si	32	32	23.3	24.1	26.8	29.7	29.8	31.2	32.4	32.7	32.6	29.2	29.2	29.9	32.0	31.9	32.6	33.4	34.1	35.8
Interconnecting 40mm Solid Core Doors																					
	NO DOOR SEALS	24	24	15.5	11.5	20.5	23.5	21.5	24.0	27.5	27.5	29.5	30.5	30.0	31.0	30.5	28.0	22.5	20.5	23.0	24.5
	*FULLY CAULKED DOOR	40	40	19.5	21.5	27.5	33.0	34.0	34.5	36.5	36.5	36.5	39.0	41.0	N/A	43.0	42.5	42.5	42.0	40.5	39.0
26	RP94Si RP8Si	38	38	25.5	22.0	28.5	35.5	34.0	37.5	40.5	35.0	34.5	36.0	38.0	N/A	37.0	39.5	41.0	41.5	41.0	39.5
Pairs of 35mm Solid Core Doors																					
	*FULLY CAULKED DOOR	30	30	20.7	21.0	20.7	26.8	22.2	26.7	24.4	25.3	27.9	28.5	28.9	30.2	32.3	34.4	35.5	37.2	37.6	37.6
27	RP10 / RP10Si RP99Si RP16Si	30	30	20.5	20.8	20.7	26.7	22.0	26.6	24.3	25.3	29.9	28.5	28.8	30.1	31.8	34.1	35.3	36.8	36.9	36.8
28	RP10 / RP10Si RP99Si RP71	30	30	20.6	20.8	20.7	26.8	22.1	26.7	24.3	25.2	27.8	28.5	28.6	30.1	32.1	34.3	35.4	37.1	37.4	37.4
29	RP10 / RP10Si RP99Si RP71Si	30	30	20.7	20.9	20.7	26.7	22.1	26.6	24.3	25.3	27.8	28.3	28.3	29.9	31.6	34.1	35.3	36.8	37.1	36.9
30	RP10 / RP10Si RP99Si RP85	30	30	20.3	20.9	20.7	26.7	22.0	26.6	24.3	25.2	27.6	28.3	28.6	30.1	31.6	33.8	35.0	37.0	36.9	36.6
Pairs of 44mm Solid Core Doors																					
	*FULLY CAULKED DOOR	33	33	21.6	20.6	23.9	26.0	25.2	27.5	29.2	30.1	29.7	30.6	31.1	31.9	33.7	35.7	36.8	38.0	38.9	38.5
31	RP10 / RP10Si RP99Si RP16Si	32	32	21.3	20.4	23.9	26.0	24.8	27.4	29.0	29.9	29.7	30.5	30.9	31.7	33.0	35.3	36.5	37.5	38.0	37.5
32	RP10 / RP10Si RP99Si RP71	32	32	21.5	20.4	23.9	26.0	24.9	27.5	29.0	29.7	29.5	30.5	30.6	31.7	33.4	35.5	36.7	37.9	38.7	38.2
33	RP10 / RP10Si RP99Si RP71Si	32	32	21.6	20.5	23.9	26.0	24.9	27.4	28.8	29.9	29.5	30.3	30.2	31.5	32.7	35.3	36.5	37.5	38.2	37.7
34	RP10 / RP10Si RP99Si RP85	32	32	21.1	20.5	23.9	25.9	24.8	27.4	29.0	29.7	29.2	30.3	30.6	31.7	32.7	35.0	36.2	37.8	38.0	37.3
Pairs of 45mm Solid Core Doors																					
	NO DOOR SEALS	21	22	13.9	16.8	19.3	18.8	21.3	20.2	19.9	21.2	21.2	22.0	23.5	23.7	22.7	21.5	21.6	19.2	17.6	17.2
	*FULLY CAULKED DOOR	31	31	25.1	27.8	29.9	30.4	31.6	30.7	29.5	30.1	27.0	26.3	27.8	30.0	32.5	35.2	37.4	39.6	41.1	40.6
35	RP10Si RP128Si RP71Si	30	30	21.0	25.3	29.0	29.8	31.5	30.2	30.2	30.8	27.5	26.5	28.1	28.7	29.5	30.0	32.7	32.6	34.2	35.6
36	RP24 RP38 RP71Si	30	30	20.7	25.0	28.3	27.3	29.7	27.9	27.5	28.2	26.0	25.3	27.8	29.1	31.5	33.8	34.9	34.6	35.5	36.1
37	RP24Si RP38Si RP16Si	30	30	19.5	23.8	26.9	27.0	28.8	27.7	26.4	26.7	25.9	25.6	27.7	30.0	31.3	32.6	33.4	33.4	35.2	35.3
38	RP84Si RP126Si RP16Si	30	30	20.6	24.7	28.2	29.2	30.9	29.7	28.8	30.4	28.1	27.4	28.7	28.5	29.4	31.4	32.8	31.7	33.6	35.6
39	RP84Si RP127Si RP71Si	31	31	21.6	26.3	30.7	29.7	31.3	30.5	29.8	30.6	27.4	26.1	27.9	29.1	30.2	32.9	35.0	35.8	37.2	37.6
40	RP84Si RP128Si RP71Si	30	30	22.3	26.7	28.4	29.7	31.8	30.3	29.7	30.7	27.7	26.3	28.3	28.3	29.0	30.1	32.6	33.2	34.7	36.5
41	RP87HSi RP127Si RP71Si	30	30	21.5	26.3	29.6	29.3	30.9	29.4	29.0	29.9	26.5	26.0	28.0	29.9	30.7	32.1	34.3	35.1	36.9	37.7
Single 35mm Solid Core Doors																					
	*FULLY CAULKED DOOR	30	30	20.7	21.0	20.7	26.8	22.2	26.7	24.4	25.3	27.9	28.5	28.9	30.2	32.3	34.4	35.5	37.2	37.6	37.6
42	RP47Si	30	30	20.6	20.9	20.4	26.7	22.2	26.6	24.3	25.2	27.7	28.4	28.8	30.0	31.6	33.7	35.3	36.8	37.4	37.5
Single 44mm Solid Core Doors																					
	*FULLY CAULKED DOOR	33	33	21.6	20.6	23.9	26.0	25.2	27.5	29.2	30.1	29.7	30.6	31.1	31.9	33.7	35.7	36.8	38.0	38.9	38.5
43	RP47Si	32	32	21.5	20.5	23.2															