



ACOUSTIC WOOD DOOR & FRAME ASSEMBLIES



- Acoustic wood door and steel frame assemblies provide the broadest range of Sound Transmission Class (STC) ratings in the industry, tested in accordance with ASTM E-90 & E-413
- Acoustic wood door and steel frame assemblies are available in STC ratings up to & including STC 56. Doors are 1¾" thick through STC 50. Wood frames are available up to STC 45
- Face veneers are available in virtually every species, cut & grade. Wood doors are available with custom stain match or clear coat finishes. Stiles & rails are hardwood & vertical edges match face veneer. Plastic laminate face veneers are also available with hardwood edges
- Fire rated STC wood door & frame assemblies are available up to 90 minutes
- Doors are available with factory glazed vision lites. Sidelites & transoms are supplied with glass for glazing by others
- Stock wood door & steel frame assemblies are ready for immediate shipment. Exceptional lead times are offered with AMBICO's Quick Ship Program
- Doors can be FSC® & LEED compliant

For details, see performance chart on reverse



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LEED



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STC	FIRE RATING	DOOR THICKNESS	MAXIMUM GLASS AREA	WEIGHT LBS/SQ.FT	HARDWARE		FRAME SEAL	BOTTOM SEAL	THRESHOLD	NOTES	TEST REPORT	TRANSMISSION LOSS dB/FREQUENCY Hz																	
					HINGES	LATCH						100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
41-52	45, 90	2.25"	SEE NOTE 4	10.5-14.9	HW BUTT	CYL/ MORT	BRONZE/ BULB	SWEEP	STEPPED	2, 3, 4, 5	NRC TLA – 18-141	23	27	38	42	43	48	49	50	52	52	51	52	53	53	53	52	55	57
40-45	NF	1.75"	1200 sq.in	5.5	HW BUTT	CYL/ MORT	FIN/BULB	SWEEP	FLAT	1, 2, 3, 5	WEAL TL10-658	20	22	36	35	37	42	43	45	46	47	48	50	50	49	48	45	42	42
46	NF	1.75"	1200 sq.in	6.7	HW BUTT	CYL/ MORT	FIN/BULB	SWEEP	FLAT	1, 2, 3, 5, 7	RAL TLO1-187	20	31	36	40	42	43	44	44	45	45	47	47	50	51	51	51	51	49
47-49	NF	1.75"	1200 sq.in	7.6	CAM LIFT Std./HW BUTT Opt.	CYL/ MORT	FIN/BULB	FOAM/ SWEEP	FLAT	1, 2, 3, 5, 7	RAL TLO1-186	22	33	37	39	42	44	45	45	46	47	49	49	51	51	51	52	51	49
50	NF	1.75"	1200 sq.in	10.3	CAM LIFT Std./HW BUTT Opt.	CYL/ MORT	FIN/DBL BULB	FOAM/ SWEEP	FLAT	1, 2, 3, 5, 7	RAL TL99-55	24	31	38	40	42	44	46	46	48	50	51	50	52	52	54	53	51	52
51-52	NF	2.25"	1200 sq.in	12.7	CAM LIFT Std./HW BUTT Opt.	CYL/ MORT	FIN/DBL BULB	FOAM/ SWEEP	FLAT	1, 2, 3, 5	WEAL TLO6-151	36	39	41	45	45	45	47	47	49	49	50	51	52	53	54	54	55	57
54-55	NF	2.75"	300 sq.in	19.1	CAM LIFT	CYL/ MORT	BRONZE/ FIN/ BULB	SWEEP	FLAT	2, 5	NRC TLA-18-132	39	44	43	46	47	48	51	51	52	54	55	57	59	59	58	59	59	60
56	NF	3.125"	300 sq.in	23.3	CAM LIFT	CYL/ MORT	FOAM RUBBER/ DBL BULB	SWEEP	FLAT	2, 6	NRC TLA-18-130	36	43	45	47	49	49	50	50	54	56	57	57	58	60	62	62	63	64

1. BUTT HINGES ARE STANDARD UP TO STC 46. CAM LIFT HINGES ARE STANDARD BETWEEN STC 47 & 56 (LEVEL SWING WITH BUTT HINGES ARE OPTIONAL BETWEEN STC 47 & 52), CONTINUOUS HINGE AND PIVOT PREP OPTIONS ARE AVAILABLE.
2. CYLINDRICAL, RIM, OR MORTISE LOCK/EXIT DEVICE STANDARD. SURFACE VERTICAL ROD, CDX-09 AND LKM7000 OPTIONS ARE AVAILABLE. CONSULT FACTORY.
3. CONCEALED VERTICAL ROD (TOP ROD ONLY) AVAILABLE. CONSULT FACTORY.
4. MAXIMUM GLASS AREA UP TO STC 40 IS 1296 SQ.IN. MAXIMUM GLASS AREA FROM STC 41-52 IS 576 SQ.IN.
5. AVAILABLE IN SINGLES OR PAIRS.
6. AVAILABLE IN SINGLES ONLY.
7. LARGER VISION LITE OPTIONS MAY BE AVAILABLE BUT CAN INCREASE DOOR THICKNESS. CONSULT FACTORY.



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- The above chart is a sample set of test results and does not represent all testing data
- STC Steel Doors & Frames to STC 59
- STC Steel Windows to STC 59