



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

- 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.
- CYLINDRICAL, RIM, OR MORTISE LOCK/EXIT DEVICE STANDARD. SURFACE VERTICAL ROD, CDX-09 AND LKM7000 OPTIONS ARE AVAILABLE. CONSULT FACTORY.
- CONCEALED VERTICAL ROD (TOP ROD ONLY) AVAILABLE. CONSULT FACTORY.
- MAXIMUM GLASS AREA UP TO STC 40 IS 1296 SQ.IN. MAXIMUM GLASS AREA FROM STC 41-52 IS 576 SQ.IN.
- AVAILABLE IN SINGLES OR PAIRS.
- AVAILABLE IN SINGLES ONLY.
- 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