



## ACOUSTIC WOOD DOOR & STEEL 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 54. Doors are only 1¾" thick through STC 50
- 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 & steel 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
40-51	45, 90	2.25"	SEE NOTE 4	10.5-14.9	HW BUTT	CYL/MORT	BRONZE/BULB	SWEEP	STEPPED	2, 3, 4, 5	WEAL TLO6-154	23	27	38	42	43	48	49	50	52	52	51	52	53	53	53	52	55	57
40-45	NF	1.75"	1584 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"	1584 sq.in	6.7	HW BUTT	CYL/MORT	FIN/BULB	SWEEP	FLAT	1, 2, 3, 5, 6	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"	1584 sq.in	7.6	HW BUTT	CYL/MORT	BRONZE/BULB	SWEEP	FLAT	1, 2, 3, 5, 6	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"	1584 sq.in	10.3	HW BUTT	CYL/MORT	BRONZE/DBL BULB	SWEEP	FLAT	1, 2, 3, 5, 6	RAL TL99-55	24	31	38	40	42	44	46	46	48	50	51	50	52	52	54	53	51	52
51	NF	2.25"	1584 sq.in	12.7	HW BUTT	CYL/MORT	BRONZE/DBL BULB	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
52-54	NF	2.25" *	300 sq.in	17 +	CAM LIFT #	CYL/MORT	FOAM RUBBER/DBL BULB	SWEEP	FLAT	2, 5	WEAL TLO5-374	35	42	49	50	53	55	53	55	56	58	60	60	61	61	62	62	63	64

1. BUTT HINGES ARE STANDARD. CAM LIFT, 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 42 IS 1296 SQ.IN. MAXIMUM GLASS AREA FROM STC 43-51 IS 576 SQ.IN.
  5. AVAILABLE IN SINGLES OR PAIRS.
  6. LARGER AREA OF GLASS CAN INCREASE DOOR THICKNESS. CONSULT FACTORY.
- \* STC 54 THICKNESS IS 3.125"  
 + STC 54 WEIGHS 23LB/SQ.FT.  
 # STC 52 USES HW BUTT HINGES.



Visit [AMBICO.com](http://AMBICO.com) to see our complete line of products that includes:

- STC Steel Doors & Frames to STC 59
- STC Steel Windows to STC 56

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