

Hollow Metal Doors

SOUND RESISTANT (STC48)

SPECIFICATIONS

Door 16 GA, Cold-rolled Steel

ASTM A1008 / A1008M

Door Thickness 1-3/4"

Paint Prime Painted

Hinge Prep Non-handed 4-1/2" 7 GA.

Can accommodate heavyweight hinges

Construction Perimeter Channels with Center Edge Seam

Square Edges and Non-Handed

Channels Top & Bottom inverted 16 GA.

Vertical Edge Channels 16 GA.

Insulation Proprietary

Closer Reinforcement 14 GA Cold-rolled Steel Frame 14 GA Cold Rolled Steel

Full Throat Welded

Threshold and Seals Included

OPTIONS*

Door Types FLUSH ONLY

 Door Sizes
 2'-0" x 6'-8" up to 4'-0" x 8'-0"

 Galvannealed Steel
 ASTM A653 / A653M - A60

 Lock Preps
 161, 86 edge and RIM / SVR

INDEPENDENT VERIFICATION AND QUALIFICATION TESTING

RIVERBANK ACOUSTICAL LABORATORIES

ASTM E90-97







^{*} Some options are mutually exclusive



TEST RESULTS

Sound transmission loss values are tabulated at the eighteen etandard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data are within the limits set by the ASTM Standard E90-97.

FREQ.	T.L.	<u>C.L.</u>	DEF.	FREQ.	<u>T.L.</u>	C.L.	DEF.
-							
100	24	0.12	0	800	51	0.23	0
125 160	31 35	0.25 0.24	1 0	1000 1250	51 50	0.27 0.25	0 2
200	40 **	0.27	0	1600	49	0.23	3
250 315	41 44	0.29	0	2000 2500	49 45	0.19	3
400	46	0.31	1	3150	48	0.11	4
500 630	48 50	0.30	0	4000 5000	49	0.09	3
030		0.23		3000	52	0.09	0

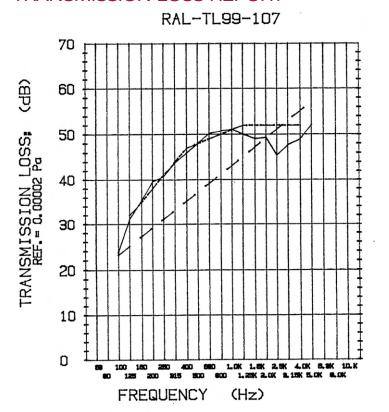
STC = 48

ABBREVIATION INDEX

FREQ. = FREQUENCY, HERTZ, (cps)
T.L. = TRANSMISSION LOSS, dB
C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
DEF. = DEFICIENCIES, dB<STC CONTOUR

= SOUND TRANSMISSION CLASS

TRANSMISSION LOSS REPORT



- TRANSMISSION LOSS
- SOUND TRANSMISSION CLASS CONTOUR
- MASS LAW CONTOUR

