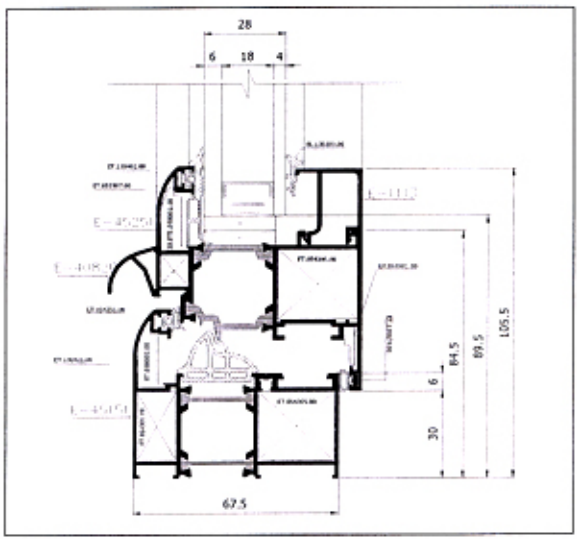
Sound Insulation

According to ISO 140/3

A5

Authorizing Company: ETEM S.A.

Dimensions in mm



Specimen description:

Single sash side/bottom hung aluminium window E-45 series

Area : 1,9 m²
Total glazing thickness: 28 mm

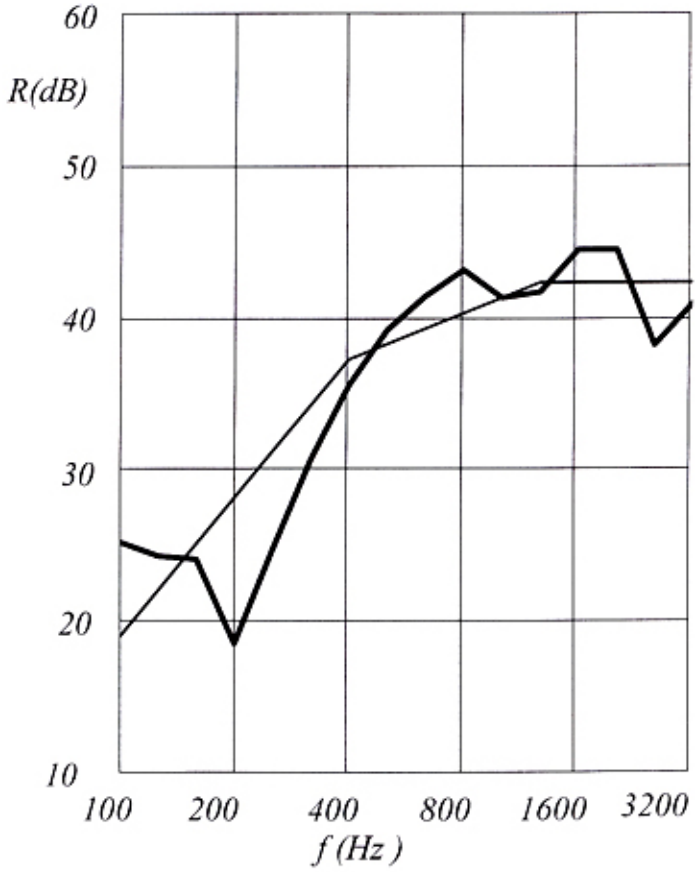
Layers:

Thermal insulating glazing 6+18+4 mm
Two rubber seals between sash frame and glazing
Three rubber seals between sash and frame

Test rooms:

Volumes:
V source = 29,7 m³
V receiving = 43,8 m³

Type of room : Laboratory test room
Room condition: Empty
Excitation : White noise
Filter : 1/3 octave



Evaluation according to ISO 717/1

Weighted Sound Reduction Index

$R_W = 38$ dB

f(Hz):	100	**125**	160	200	**250**	315	400	**500**	630	800	**1000**	1250	1600	**2000**	2500	3150
R(dB):	25,1	24,2	24,0	18,5	24,6	30,4	35,3	38,9	41,1	42,8	41,0	41,4	44,1	44,1	37,9	40,6

Test number: A5.373.05

Date of test: 16.05.2005 C

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Signature