

ALUTECH SYSTEMS S.R.O.

ACOUSTICAL PERFORMANCE TEST REPORT

SCOPE OF WORK

ASTM E90 SOUND TRANSMISSION LOSS TESTING ON AN ALT F50 CURTAIN WALL

REPORT NUMBER

R0745.02-113-11-R0

TEST DATE

04/29/24

ISSUE DATE

07/17/24

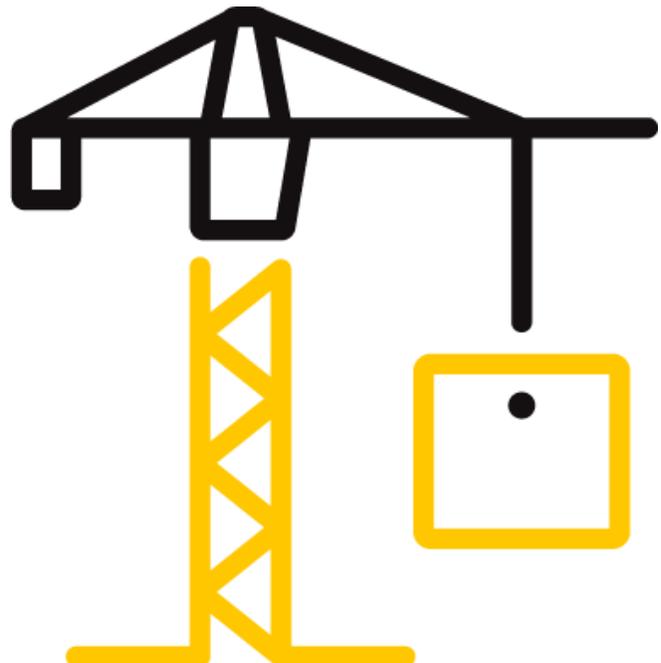
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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2761 (03/01/24)

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SECTION 2

SUMMARY OF TEST RESULTS

SERIES/MODEL	ALT F50 CURTAIN WALL
TYPE	Curtain Wall

GLAZING (Nominal Dimensions)	1-5/8" IG (5/16" tempered exterior, 13/16" air space, 1/2" laminated interior), Glass temperature 75°F
DATA FILE NO.	R0745.01A
STC	41
OITC	33

GLAZING (Nominal Dimensions)	1-5/8" IG (1/2" laminated exterior, 13/16" air space, 5/16" laminated interior), Glass temperature 75°F
DATA FILE NO.	R0745.01B
STC	47
OITC	38

GLAZING (Nominal Dimensions)	1-5/16" (1/4" tempered exterior, 13/16" air space, 1/4" tempered interior), Glass-to-glass air space: 7-7/8" Interior panel: 1/4" tempered
DATA FILE NO.	R0745.01D
STC	44
OITC	38

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SECTION 9

SPECIMEN DESCRIPTION

	FRAME
SIZE	78-3/4" by 78-3/4"
THICKNESS	Option R0745.01A: 9-9/16" Option R0745.01B: 9-9/16" Option R0745.01D: 10-15/16"
CORNERS	Butted
FASTENERS	Screws
SEAL METHOD	Sealant
MATERIAL	Aluminum
REINFORCEMENT	None
THERMAL BREAK MATERIAL	N/A
DAYLIGHT OPENING SIZE (X2)	36-7/16" by 74-13/16"

OPTION R0745.01A

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	1.594"		
SPACER TYPE	Aluminum		
	EXTERIOR SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.308"	0.792"	0.494"
MUNTIN PATTERN	N/A	N/A	N/A
MATERIAL	Tempered	Air*	Laminated
LAMINATE MATERIAL	N/A	N/A	PVB*

OPTION R0745.01B

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	1.641"		
SPACER TYPE	Aluminum		
	EXTERIOR SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.510"	0.797"	0.334"
MUNTIN PATTERN	N/A	N/A	N/A
MATERIAL	Laminated	Air*	Laminated
LAMINATE MATERIAL	PVB*	N/A	PVB*

* - Stated per Client/Manufacturer, N/A-Not Applicable