

# ALUTECH SYSTEMS S.R.O.

## ACOUSTICAL PERFORMANCE TEST REPORT

### SCOPE OF WORK

ASTM E90 SOUND TRANSMISSION LOSS TESTING ON A CURTAIN WALL

### REPORT NUMBER

L0042.03-113-11-R0

### TEST DATES

05/20/20; 07/01/20

### ISSUE DATE

07/31/23

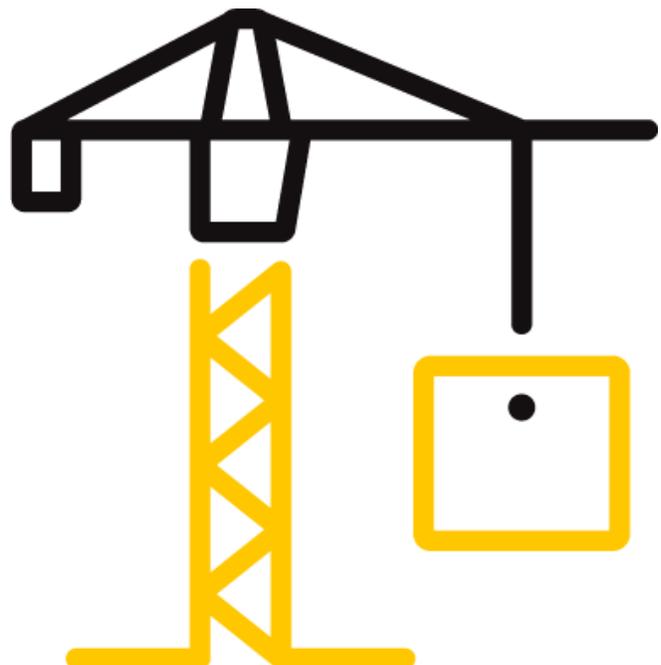
### PAGES

16

### DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2761 (01/24/19)

© 2017 INTERTEK



## TEST REPORT FOR ALUTECH SYSTEMS S.R.O.

Report No.: L0042.03-113-11-R0

Date: 07/31/23

### SECTION 2

#### SUMMARY OF TEST RESULTS

<b>TYPE</b>	Curtain wall
-------------	--------------

<b>GLAZING (Nominal Dimensions)</b>	1-1/8" IG (1/4" tempered exterior, 9/16" air space, 5/16" laminated interior), Glass temperature 75°F
<b>DATA FILE NO.</b>	L0042.01A
<b>STC</b>	34
<b>OITC</b>	28

<b>GLAZING (Nominal Dimensions)</b>	1-7/16" IG (1/4" tempered exterior, 5/8" air space, 9/16" laminated interior), Glass temperature 75°F
<b>DATA FILE NO.</b>	L0042.01B1
<b>STC</b>	37
<b>OITC</b>	29

<b>GLAZING (Nominal Dimensions)</b>	1-7/16" IG (1/4" tempered exterior, 5/8" air space, 9/16" laminated interior), Glass temperature 75°F, Backfilled glazing pocket with duct seal, no snap covers, sealed corners of pressure glaze strips with duct seal
<b>DATA FILE NO.</b>	L0042.01B2
<b>STC</b>	37
<b>OITC</b>	30

### SECTION 3

#### TEST METHODS

The specimens were evaluated in accordance with the following:

**ASTM E90-09 (2016)**, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements*

**ASTM E413-16**, *Classification for Rating Sound Insulation*

**ASTM E1332-16**, *Standard Classification for Rating Outdoor-Indoor Sound Attenuation*

**ASTM E2235-04 (2020)**, *Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods*