

VALUE WINDOW & DOORS

ACOUSTICAL PERFORMANCE TEST REPORT

SCOPE OF WORK

ASTM E90 SOUND TRANSMISSION LOSS TESTING ON A EUROTEK 70, TILT AND TURN WINDOW

REPORT NUMBER

L4608.01-303-11-R0

TEST DATE

01/12/21

ISSUE DATE

01/14/21

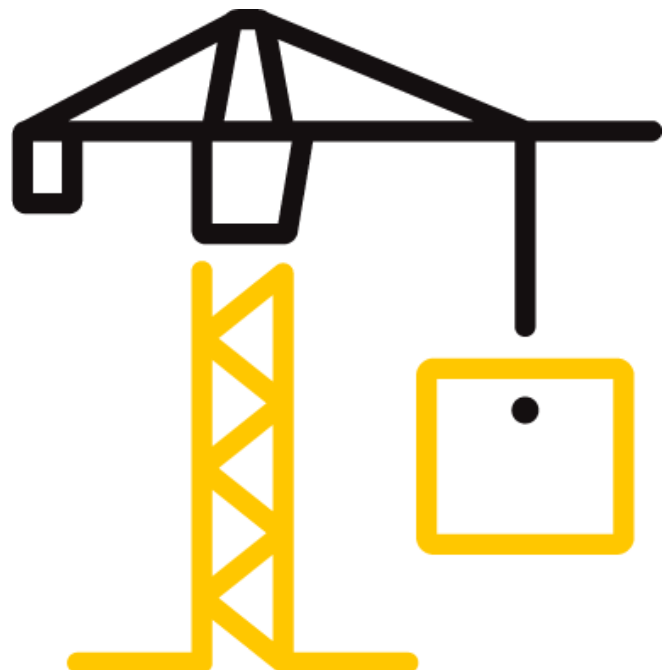
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TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21

REPORT ISSUED TO

VALUE WINDOW & DOORS

1830 Flower Avenue
Duarte, CA 91010

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Value Windows & Doors to conduct a sound transmission loss test. Results obtained are tested values and were secured by using the designated test methods. The complete test data is included herein. The client provided the test specimen. All measurements were conducted in the HT test chambers at Intertek B&C located in Lake Forest, California.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

For INTERTEK B&C:

COMPLETED BY:	Marco T Santa Rosa	REVIEWED BY:	Leeland S Hoover
TITLE:	Technician III Acoustical Testing	TITLE:	Laboratory Manager Acoustical Testing
SIGNATURE:		SIGNATURE:	
DATE:	01/14/21	DATE:	01/14/21

MTSR; LSH

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SECTION 2

SUMMARY OF TEST RESULTS

Test Option A

SERIES/MODEL	Eurotek 70
TYPE	Tilt and Turn Window
GLAZING (Nominal Dimensions)	13/16" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Interior)
DATA FILE NO.	L4608.01A
STC	32
OITC	27

Test Option B

SERIES/MODEL	Eurotek 70
TYPE	Tilt and Turn Window
GLAZING (Nominal Dimensions)	1-5/8" IG (1/4" Annealed Exterior, 7/16" Air Space, 1/4" Annealed Middle, 7/16" Air Space, 1/4" Annealed Interior)
DATA FILE NO.	L4608.01B
STC	35
OITC	29

Test Option C

SERIES/MODEL	Eurotek 70
TYPE	Tilt and Turn Window
GLAZING (Nominal Dimensions)	1" IG (1/4" Annealed Exterior, 9/16" Air Space, 1/4" Annealed Interior)
DATA FILE NO.	L4608.01C
STC	34
OITC	29

Test Option D

SERIES/MODEL	Eurotek 70
TYPE	Tilt and Turn Window
GLAZING (Nominal Dimensions)	1-1/2" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Middle, 9/16" Air Space, 1/8" Annealed Interior)
DATA FILE NO.	L4608.01D
STC	33
OITC	27

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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 (2012), *Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods*

SECTION 4

SPECIMEN INSTALLATION

A sound transmission loss test was initially performed on a filler wall.

The specimen plug was removed from the filler wall assembly. The specimen was placed on an isolation pad in the test opening. Duct seal was used to seal the perimeter of the specimen to the test opening on both sides. The interior side of the specimen, when installed, was approximately 1/4" from being flush with the receive room side of the filler wall. A stethoscope was used to check for any abnormal air leaks around the test specimen prior to testing. Operable portions of the test specimen, if any, were cycled at least five times prior to testing.

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SECTION 5 EQUIPMENT

The equipment listed below meets the requirements of the test methods stated in Section 3 of this report.

EQUIPMENT

INSTRUMENT	MANUFACTURER	MODEL	DESCRIPTION	ASSET #	CAL DATE
Data Acquisition Card*	National Instruments	PXIe-4464	Data Acquisition Card	INT00392	10/19
Data Acquisition Card*	National Instruments	PXIe-4464	Data Acquisition Card	INT00394	10/19
Data Acquisition Card*	National Instruments	PXIe-4464	Data Acquisition Card	INT00395	09/19
Source Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00234	04/20
Source Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00235	04/20
Source Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00236	04/20
Source Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00237	04/20
Source Room Microphone	PCB piezotronics	378C20	Microphone and Preamplifier	INT00238	04/20
Receive Room Microphone	PBC Piezotronics	378C20	Microphone and Preamplifier	INT00229	04/20
Receive Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00230	04/20
Receive Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT01542	04/20
Receive Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00232	04/20
Receive Room Microphone	PCB Piezotronics	378C20	Microphone and Preamplifier	INT00233	04/20
Receive Room Environmental Indicator	Comet	T7510	Receive Room	INT00299	07/20
Source Room Environmental Indicator	Comet	T7510	Source Room	INT00300	07/20
Microphone Calibrator	Norsonic	1251	Acoustical Calibrator	INT00288	10/20

*- Note: The calibration frequency for this equipment is every two years per the manufacturer's recommendation.

TEST CHAMBER

	VOLUME	DESCRIPTION
RECEIVE ROOM	231 m ³	Rotating vane and stationary diffusers Temperature and humidity controlled Isolation pads under the floor
SOURCE ROOM	196 m ³	Stationary diffusers only Temperature and humidity controlled

	MAXIMUM SIZE	DESCRIPTION
TL TEST OPENING	4.27 m wide by 3.05 m high	Vibration break between source and receive rooms

N/A-Not Applicable

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SECTION 6**LIST OF OFFICIAL OBSERVERS**

NAME	COMPANY
Bensen Xie	Value Window & Doors
Marco Santa Rosa	Intertek B&C
Eric Rueda	Intertek B&C

SECTION 7**TEST PROCEDURE**

The sensitivity of the microphones was checked before measurements were conducted.

The transmission loss values were obtained for a single direction of measurement.

Two background noise sound pressure level and five sound absorption measurements were conducted at each of five microphone positions.

Two sound pressure level measurements were made simultaneously in receive and source rooms at each of five microphone positions.

The air temperature and relative humidity conditions were monitored and recorded during all measurements.

Data for flanking limit tests, repeatability measurements, and reference specimen tests are available upon request.

Intertek B&C will store samples of test specimens for four years.

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SECTION 8

ACOUSTICAL TEST CALCULATIONS

Transmission loss (TL) at each 1/3 octave frequency is the average source room sound pressure level minus the average receive room sound pressure level, plus, 10 times the log of the specimen area divided by the sound absorption of the receive room with the sample in place.

STC Rating

To obtain the Sound Transmission Class (STC), read the TL of the contour curve at 500 Hz. The sum of the deficiencies below the contour curve must not exceed 32. The maximum deficiency at any one frequency must not exceed 8.

OITC Rating

The Outdoor-Indoor Transmission Class (OITC) is calculated by subtracting the logarithmic summation of the TL values from the logarithmic summation of the A-weighted transportation noise spectrum stated in ASTM E1332.

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SECTION 9

SPECIMEN DESCRIPTION

	FRAME	VENT
SIZE	47-1/4" by 59"	43-3/4" by 55-3/8"
THICKNESS	3-5/8"	2-3/4"
CORNERS	Mitered	Mitered
FASTENERS	Welds	Welds
SEAL METHOD	N/A	N/A
MATERIAL	Vinyl	Vinyl
REINFORCEMENT	Steel located in all members	Steel located in all members
THERMAL BREAK MATERIAL	N/A	N/A
DAYLIGHT OPENING SIZE (X2)	N/A	37-3/4" by 49-1/2"

Test Option A

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	0.805"
SPACER TYPE	Super Spacer

	EXTERIOR SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.115"	0.568"	0.122"
MUNTIN PATTERN	N/A	N/A	N/A
MATERIAL	Annealed	Air*	Annealed
LAMINATE MATERIAL	N/A	N/A	N/A

TOTAL WEIGHT (lbs)	AVERAGE WEIGHT (lbs/ft ²)
102	5.27

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Test Option B

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	1.533"
SPACER TYPE	Super Spacer

	EXTERIOR SHEET	GAP	MIDDLE SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.218"	0.443"	0.218"	0.438"	0.216"
MUNTIN PATTERN	N/A	N/A	N/A	N/A	N/A
MATERIAL	Annealed	Air*	Annealed	Air*	Annealed
LAMINATE MATERIAL	N/A	N/A	N/A	N/A	N/A

TOTAL WEIGHT (lbs)	AVERAGE WEIGHT (lbs/ft²)
182	9.40

Test Option C

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	1.003"
SPACER TYPE	Super Spacer

	EXTERIOR SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.221"	0.565"	0.217"
MUNTIN PATTERN	N/A	N/A	N/A
MATERIAL	Annealed	Air*	Annealed
LAMINATE MATERIAL	N/A	N/A	N/A

TOTAL WEIGHT (lbs)	AVERAGE WEIGHT (lbs/ft²)
142	7.33

Test Option D

MEASURED OVERALL INSULATION GLASS UNIT THICKNESS	1.449"
SPACER TYPE	Super Spacer

	EXTERIOR SHEET	GAP	MIDDLE SHEET	GAP	INTERIOR SHEET
MEASURED THICKNESS	0.114"	0.561"	0.114"	0.546"	0.114"
MUNTIN PATTERN	N/A	N/A	N/A	N/A	N/A
MATERIAL	Annealed	Air*	Annealed	Air*	Annealed
LAMINATE MATERIAL	N/A	N/A	N/A	N/A	N/A

TOTAL WEIGHT (lbs)	AVERAGE WEIGHT (lbs/ft²)
132	6.82

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GLAZING METHOD	Interior
GLAZING MATERIAL	Rubber Gasket
GLAZING BEAD MATERIAL	Vinyl with Rubber

	TYPE	QUANTITY	LOCATION
WEATHERSTRIP	1/2" Rubber leaf gasket	1 Row	Perimeter of Vent
	1/2" Rubber leaf gasket	1 Row	Perimeter of Frame
HARDWARE	Keeper	9	Jambs, Head and Sill
	Snubbers	9	Jambs, Head and Sill
	Multipoint lock	1	Vent Jamb
DRAINAGE	1-3/16" by 1/2" Weep with Cover	2	Sill

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

Photographs are included in Section 11.

A drawing of the test specimen is included in Section 12.

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SECTION 10

TEST RESULTS

Test Option A

ASTM E90

AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01A				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model: Eurotek 70 Tilt and Turn Window with 13/16" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.8 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	37%	SOURCE HUMIDIT	36%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION (m ²)	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	38.2	4.5	103	76	23	1.76	-
100	33.8	5.0	102	75	24	1.34	-
125	42.0	5.2	103	77	22	1.46	0
160	45.2	5.1	103	75	25	0.86	0
200	38.3	6.4	106	77	24	0.61	0
250	28.3	7.5	107	78	22	0.59	3
315	29.2	7.2	106	78	22	0.57	6
400	34.0	6.0	105	77	23	0.54	8
500	22.0	5.3	107	74	28	0.41	4
630	20.1	5.6	107	71	31	0.33	2
800	24.3	5.7	105	65	35	0.30	0
1000	12.0	5.9	107	63	38	0.39	0
1250	11.1	6.2	105	60	40	0.27	0
1600	5.0	6.9	103	55	42	0.15	0
2000	3.5	8.3	101	51	43	0.23	0
2500	3.7	9.7	101	51	42	0.23	0
3150	4.1	11.7	100	52	40	0.21	0
4000	4.7	15.1	96	55	32	0.38	4
5000	5.5	20.2	92	49	33	0.45	-
STC RATING	32 (Sound Transmission Class)						
DEFICIENCIES	27 (Sum of Deficiencies)						
OITC RATING	27 (Outdoor-Indoor Transmission Class)						

- Notes:
- 1) Receive Room levels less than 5 dB above the Background levels are red.
 - 2) Specimen TL levels listed in red indicate the lower limit of the transmission loss.
 - 3) Specimen TL levels listed in green indicate that there has been a filler wall correction applied

TEST REPORT FOR VALUE WINDOW & DOORS

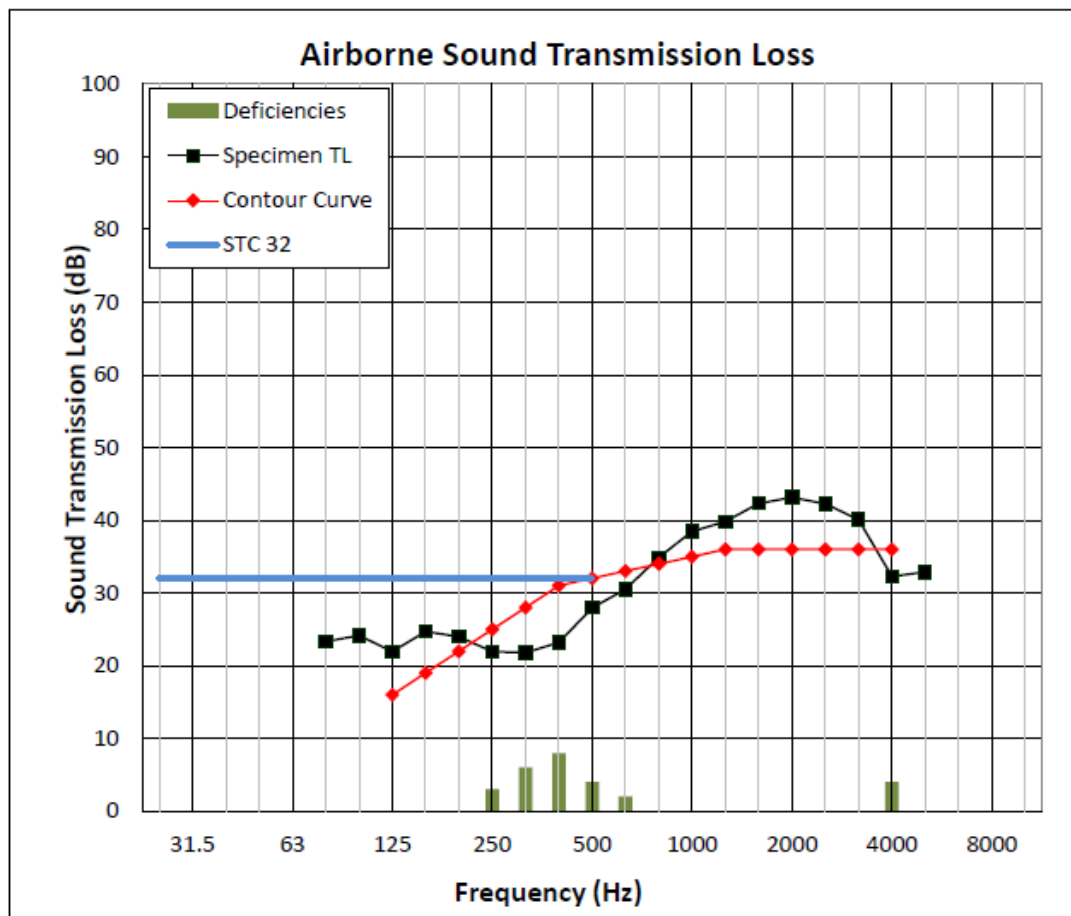
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ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01A				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model: Eurotek 70 Tilt and Turn Window with 13/16" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.8 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	37%	SOURCE HUMIDIT	36%



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Test Option B

ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01B				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model:Eurotek 70, Tilt and Turn Window with 1-5/8" IG(1/4" Annealed Exterior, 7/16" Air Space, 1/4" Annealed Middle, 7/16" Air Space, 1/4" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	35%	SOURCE HUMIDIT	37%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION (m ²)	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	38.9	4.8	103	71	29	1.88	-
100	33.4	4.8	102	73	26	1.10	-
125	41.6	5.1	103	74	26	0.52	0
160	44.9	5.5	103	79	19	0.97	3
200	38.6	6.4	106	82	19	0.78	6
250	30.8	7.4	106	76	25	0.46	3
315	33.0	7.2	106	71	29	0.61	2
400	37.9	5.9	106	69	32	0.52	2
500	23.2	5.3	107	66	36	0.41	0
630	20.9	5.6	107	63	39	0.26	0
800	24.6	5.7	105	59	41	0.24	0
1000	13.8	5.9	107	58	43	0.33	0
1250	12.6	6.2	105	58	42	0.23	0
1600	6.5	6.9	103	58	40	0.17	0
2000	3.9	8.4	101	60	35	0.25	4
2500	3.9	10.0	101	59	34	0.24	5
3150	4.1	11.9	100	54	38	0.27	1
4000	4.7	15.3	96	45	42	0.36	0
5000	5.5	20.7	92	37	45	0.34	-
STC RATING	35 (Sound Transmission Class)						
DEFICIENCIES	26 (Sum of Deficiencies)						
OITC RATING	29 (Outdoor-Indoor Transmission Class)						

- Notes:
- 1) Receive Room levels less than 5 dB above the Background levels are red.
 - 2) Specimen TL levels listed in red indicate the lower limit of the transmission loss.
 - 3) Specimen TL levels listed in green indicate that there has been a filler wall correction applied


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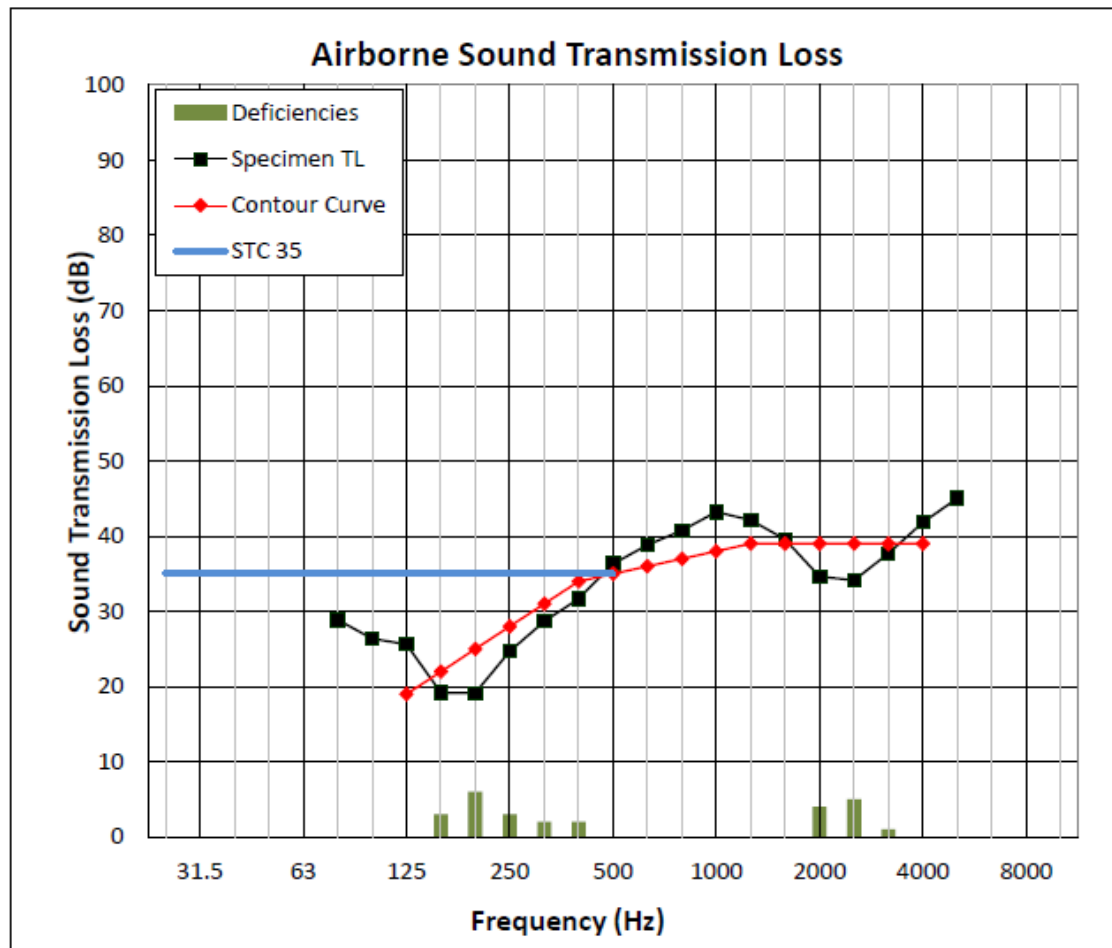
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ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21					
DATA FILE NO.	L4608.01B					
CLIENT	Value Window & Doors					
DESCRIPTION	Series/Model:Eurotek 70, Tilt and Turn Window with 1-5/8" IG(1/4" Annealed Exterior, 7/16" Air Space, 1/4" Annealed Middle, 7/16" Air Space, 1/4" Annealed Interior)					
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C	
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	35%	SOURCE HUMIDIT	37%	



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Test Option C

ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01C				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model:Eurotek 70, Tilt and Turn Window With 1" IG (1/4" Annealed Exterior, 9/16" Air Space, 1/4" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	34%	SOURCE HUMIDIT	37%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION (m ²)	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	38.9	4.3	103	72	28	1.86	-
100	33.3	4.5	102	71	28	1.11	-
125	41.1	5.0	103	73	27	1.38	0
160	44.4	5.0	103	76	24	0.83	0
200	38.1	6.4	106	80	21	0.65	3
250	29.0	7.0	106	78	23	0.49	4
315	30.9	7.2	106	74	27	0.49	3
400	35.5	5.7	106	70	30	0.44	3
500	22.6	5.2	107	67	35	0.40	0
630	21.0	5.6	107	64	37	0.25	0
800	24.6	5.8	105	61	39	0.25	0
1000	12.6	5.9	107	61	41	0.42	0
1250	11.2	6.2	105	61	39	0.22	0
1600	5.8	7.0	103	59	38	0.20	0
2000	3.8	8.6	101	61	33	0.29	5
2500	3.7	10.1	101	60	33	0.21	5
3150	4.0	12.3	100	56	36	0.25	2
4000	4.7	15.9	96	47	40	0.35	0
5000	5.5	21.5	92	39	43	0.40	-
STC RATING	34 (Sound Transmission Class)						
DEFICIENCIES	25 (Sum of Deficiencies)						
OITC RATING	29 (Outdoor-Indoor Transmission Class)						

Notes:

- 1) Receive Room levels less than 5 dB above the Background levels are red.
- 2) Specimen TL levels listed in red indicate the lower limit of the transmission loss.
- 3) Specimen TL levels listed in green indicate that there has been a filler wall correction applied

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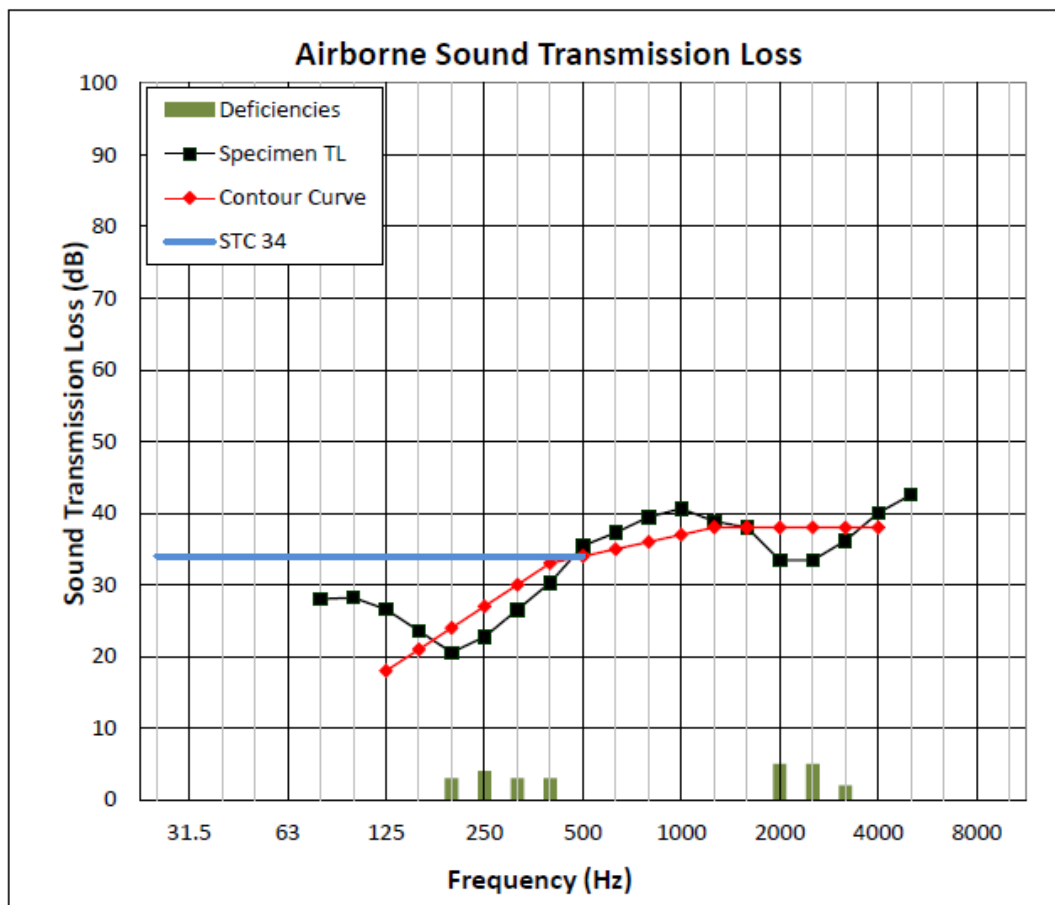
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ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01C				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model: Eurotek 70, Tilt and Turn Window With 1" IG (1/4" Annealed Exterior, 9/16" Air Space, 1/4" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	34%	SOURCE HUMIDIT	37%



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Test Option D

ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01D				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model: Eurotek 70, Tilt and Turn Window With 1-1/2" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Middle, 9/16" Air Space, 1/8" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	34%	SOURCE HUMIDIT	37%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION (m ²)	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	38.8	4.4	103	74	26	1.83	-
100	33.9	4.4	102	73	26	1.15	-
125	40.9	5.1	103	76	23	1.30	0
160	44.7	5.2	103	79	20	0.94	0
200	37.7	6.6	106	81	20	0.65	3
250	28.2	7.3	107	82	19	0.56	7
315	30.1	7.3	106	77	23	0.89	6
400	35.2	6.1	106	75	26	0.54	6
500	22.5	5.3	107	72	30	0.47	3
630	20.6	5.7	107	67	35	0.29	0
800	24.5	5.8	105	62	38	0.23	0
1000	12.9	6.0	107	59	42	0.37	0
1250	10.9	6.2	105	57	43	0.25	0
1600	4.7	7.0	103	52	45	0.14	0
2000	3.3	8.6	101	49	45	0.26	0
2500	3.6	10.2	101	50	43	0.22	0
3150	4.0	12.3	100	49	42	0.24	0
4000	4.7	16.0	96	53	34	0.43	3
5000	5.5	21.7	92	45	37	0.47	-
STC RATING	33 (Sound Transmission Class)						
DEFICIENCIES	28 (Sum of Deficiencies)						
OITC RATING	27 (Outdoor-Indoor Transmission Class)						

- Notes:
- 1) Receive Room levels less than 5 dB above the Background levels are red.
 - 2) Specimen TL levels listed in red indicate the lower limit of the transmission loss.
 - 3) Specimen TL levels listed in green indicate that there has been a filler wall correction applied

TEST REPORT FOR VALUE WINDOW & DOORS

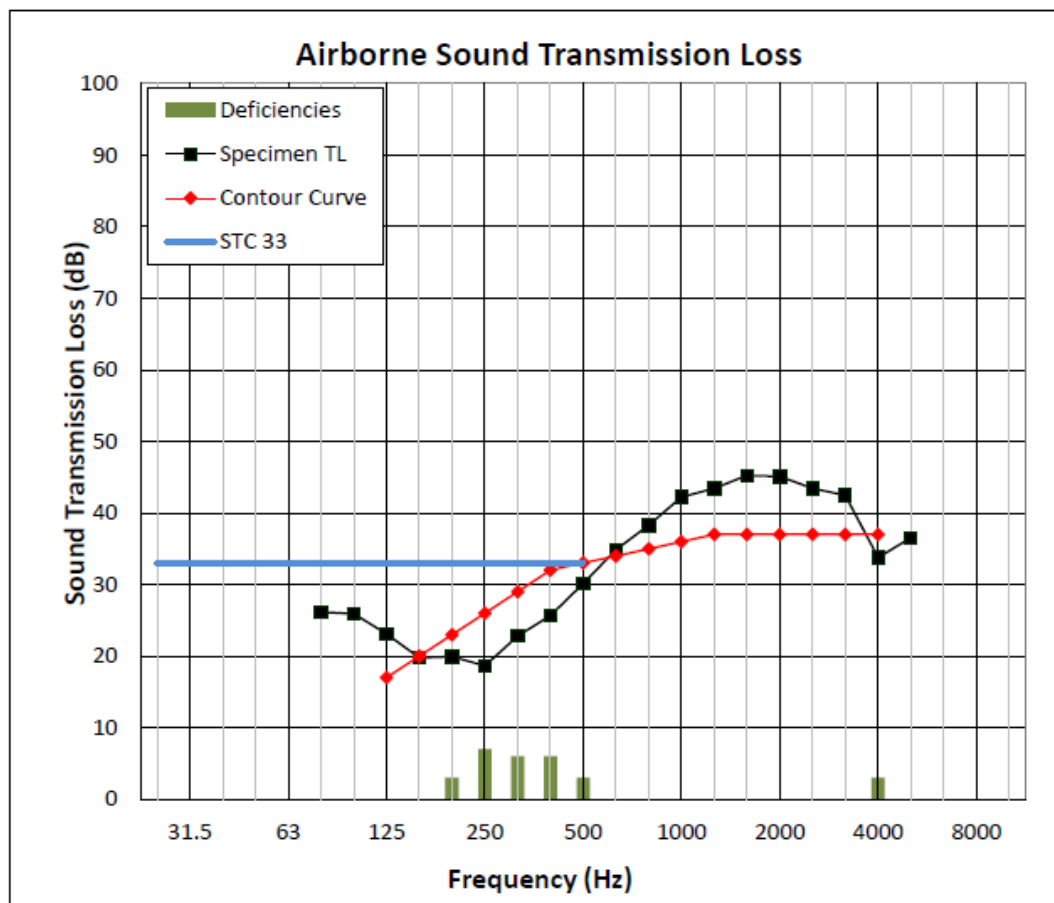
Report No.: L4608.01-303-11-R0

Date: 01/14/21

ASTM E90 AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	01/12/21				
DATA FILE NO.	L4608.01D				
CLIENT	Value Window & Doors				
DESCRIPTION	Series/Model: Eurotek 70, Tilt and Turn Window With 1-1/2" IG (1/8" Annealed Exterior, 9/16" Air Space, 1/8" Annealed Middle, 9/16" Air Space, 1/8" Annealed Interior)				
SPECIMEN AREA	1.80 m ²	RECEIVE TEMP.	17.9 °C	SOURCE TEMP	17.8 °C
TECHNICIAN	Marco T Sant	RECEIVE HUMIDITY	34%	SOURCE HUMIDIT	37%



TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21

SECTION 11

PHOTOGRAPHS



Photo No. 1

(Test Option A) Source Room View of Test Specimen



Photo No. 2

(Test Option A) Receive Room View of Test Specimen

TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21



Photo No. 3

(Test Option B) Source Room View of Test Specimen



Photo No. 4

(Test Option B) Receive Room View of Test Specimen

TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21

**Photo No. 5****(Test Option C) Source Room View of Test Specimen****Photo No. 6****(Test Option C) Receive Room View of Test Specimen**

TEST REPORT FOR VALUE WINDOW & DOORS

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Date: 01/14/21

**Photo No. 7****(Test Option D) Source Room View of Test Specimen****Photo No. 8****(Test Option D) Receive Room View of Test Specimen**



Total Quality. Assured.

TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21

SECTION 12

DRAWINGS

25800 Commercentre Drive
Lake Forest, California 92630

Telephone: 949-460-9600
Facsimile: 717-764-4129
www.intertek.com/building

CUSTOMER NAME: Value Wholesaler

Sectional Drawing **EUROTEC_WINDOW_TILT & TURN**

Series #: 70

BOM

INDEX	PART NUMBER	DESCRIPTION	QTY	VENDOR	NATIONAL
1	145237	FRAME-1/2 MM 4000	4	ALUPLAST	PVC
2	145300	SASH-1/2 MM 4000	4	ALUPLAST	PVC
3	120106	Gasket Bead	4	ALUPLAST	PVC
4	240514	REINFORCEMENT 1.05 MM	4	ALUPLAST	Subcontractor
5	240518	REINFORCEMENT 1.05 MM	4	ALUPLAST	Subcontractor
6	420512	WEATHER GASKETS	1	ALUPLAST	DTM
7	449980	GASKET STANDARDS	2	ALUPLAST	DTM
8	850252	Compression Block	3	ALUPLAST	PVC
8.1	434860	Gasket Block - 5mm Deep	8	ALUPLAST	PVC
9	850251	Compression Block	1	ALUPLAST	PVC
10	517102	WINDOW HANDLE	1	MAKO	Aluminum
11	5505103	WEEP HOLE COVER	2	ALUPLAST	PVC
12	Insulator Glass	Three pieces of IG were tested		Value	Glass
13	SHIM COUPLER CLAMP 52479	SHIM COUPLER STAY CORNER SUPPORT	1	MAKO	Steel

IG Combination Qty (Set)

3.1mm Glass+16.3mm Spacer+5.1mm Glass	1
---------------------------------------	---

0.807" IG

Standard	Sectional Area	Unspec	Designed	Checked	File No:	STC Test
Material	PVC	Theor.Weight	TK.Tolerance	Drawn	Kawser	Approved
				Mapping	09/29/2020	

[illegible]

CUSTOMER NAME: Value Windows
Section Drawing **EUROTEK_WINDOW_TILT & TURN**

Series #: 70

BOM

Trim Window Size: 47 3/4" x 99"

INDEX	PART NUMBER	DESCRIPTION	QTY	VENDOR	MATERIAL
1	145537	FRAME-IG MM 4200	4	ALUPLAST	PVC
2	145530	SASH-IG MM 4200	4	ALUPLAST	PVC
3	120639	Gasket-Breit	4	ALUPLAST	PVC
4	340514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Gasket-Breit
5	200070	REINFORCEMENT 1.50 MM	4	ALUPLAST	Industrietextil
6	420312	REPAIR GASKETS	1	ALUPLAST	EPDM
7	449900	GASKET STANDARDS	2	ALUPLAST	EPDM
8	690282	Compression Block	2	ALUPLAST	PVC
8.1	888808	Clipping Block - Green Green	8	ALUPLAST	PVC
9	600281	Compression Block	1	ALUPLAST	PVC
10	517152	WINDOW HANDLE	1	MAUCO	Aluminum
11	993919	WEEP HOLE COVER	2	ALUPLAST	PVC
12	Standard Glass	Trim window IG 16mm spacer	1	Value	Glass
13	52486,52486,52487,52479	REINTECESOR TILT/TURN/POST. REINTECESOR TILT/TURN/POST. SUPPORT	1	MAUCO	Aluminum

IG Combination Qty (Set)

5,7mm Glass+14,3mm Spacer+5,7mm Glass	1
---------------------------------------	---

1.00" IG

Standard	Sectional Area	Unspec	Designed	Checked	File No:
Material	PVC	Theor.Weight	TK.Tolerance	Drawn	Kawser
				Mapping	09/29/2020

Value
 windows & doors

[illegible]

CUSTOMER NAME: Value Windows

Sectional Drawing **EUROTEK_WINDOW_TILT & TURN**

Series # **70**

BOM

Ther Window Size: 47" X 70"

INDEX	PART NUMBER	DESCRIPTION	QTY	VENDOR	MATERIAL
1	146207	FRAME-1/2 MM 4300	4	ALUPLAST	PVC
2	146200	SASH-1/2 MM 4300	4	ALUPLAST	PVC
3	130620	Gasket for Panel	4	ALUPLAST	PVC
4	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
5	240576	REINFORCEMENT 1.5 MM	4	ALUPLAST	Galvanized Steel
6	423512	REPAIR GASKETS	1	ALUPLAST	EPDM
7	449080	GASKET 2" STANDARD	2	ALUPLAST	EPDM
8	855270	Compressed Black	4	ALUPLAST	PVC
8.1	855008	Sliding Block - Siren Green	8	ALUPLAST	PVC
9	517150	WINDOW HANDLE	1	MAICO	Steel
10	953135	WEEP HOLE COVER	2	ALUPLAST	PA6
11	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
12	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
13	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
14	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
15	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
16	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
17	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
18	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
19	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
20	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
21	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
22	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
23	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
24	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
25	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
26	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
27	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
28	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
29	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
30	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
31	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
32	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
33	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
34	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
35	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
36	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
37	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
38	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
39	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
40	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
41	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
42	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
43	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
44	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
45	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
46	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
47	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
48	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
49	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
50	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
51	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
52	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
53	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
54	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
55	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
56	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
57	240514	REINFORCEMENT 2.00 MM	4	ALUPLAST	Galvanized Steel
58					

[illegible]

CUSTOMER NAME: Value Wholesaler

Series #: **70**

Sectional Drawing EUROTEK_WINDOW_TILT & TURN

BOM

This Window Size: 47" W x 59" H

ITEM#	ITEM NUMBER	DESCRIPTION	QTY	VENOR	MATERIAL
1	145007	FRAME-77 MM 4300	4	ALUPLAST	PVC
2	105020	SASH-77 MM 4300	4	ALUPLAST	PVC
3	110031	Glass Unit	4	ALUPLAST	PVC
4	240018	SCREW/CASSETTE 10 MM	4	ALUPLAST	Self-drilling
5	240016	REINFORCEMENT 10 MM	4	ALUPLAST	Self-drilling
6	430312	REPAIR GASKETS	1	ALUPLAST	EPDM
7	449900	GASKET STANDARD	2	ALUPLAST	EPDM
8	652203	Concealment Blank	4	ALUPLAST	PVC
9,11	659006	Glassing Block - 5mm Green	8	ALUPLAST	PVC
9	517102	WINDOW HANDLE	1	BRACO	Steel
10	953510	WEEP-HOLE COVER	2	ALUPLAST	PVC
11	Insulator Gaskets	Three pieces of 82 were tested		Value	Glass
12	Corner Clasp (Not Used)	RECENT DESIGN: 8700 TIGHT POST, SCREWDRIVER CORNER SUPPORT	1	BRACO	Steel

IG Combination

IG Combination	Qty (Set)
5.7mm Glass+11.1mm Spacer+5.7mm Glass+11.1mm Spacer+5.7mm Glass	1

1.547" IG

Standard	Sectional Area	Unspec	Designed	Checked	File No:
Material	PVC	Theor.Weight	Drawn	Kawser	Approved
		TK.Tolerance		Mapping	09/29/2020

STC Test

Value
A-100-B-1-0004

Figure 1 displays four technical drawings of a mechanical part, labeled 1 through 4. Each drawing includes dimension lines and numerical values.

- Drawing 1 (Top Left):** A front view showing a rectangular block with a central slot. Dimensions include a total width of 100, a slot width of 20, and a slot depth of 10. A circular feature on the left has a diameter of 10.
- Drawing 2 (Top Right):** A top view showing the rectangular footprint of the part. Dimensions include a total width of 100 and a total depth of 50. A central slot is shown with a width of 20 and a depth of 10.
- Drawing 3 (Bottom Left):** A side view showing the profile of the part. Dimensions include a total height of 50 and a slot depth of 10. A circular feature on the left has a diameter of 10.
- Drawing 4 (Bottom Right):** A cross-section view showing the internal structure of the slot. Dimensions include a total width of 100, a slot width of 20, and a slot depth of 10. A circular feature on the left has a diameter of 10.



Total Quality. Assured.

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Lake Forest, California 92630

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TEST REPORT FOR VALUE WINDOW & DOORS

Report No.: L4608.01-303-11-R0

Date: 01/14/21

SECTION 13

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	01/14/21	N/A	Original Report Issue