

October 17, 2024

Riot Glass
17941 Brookshire Lane
Huntington Beach, CA 93647
ATTN: Brad Campbell

Dear Mr. Campbell:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance testing (V_0) on one sample.

The sample was tested in accordance with UL 752 Edition 11 - Level 1 in an indoor range with the muzzle of the test barrel mounted 15 feet from the target and positioned to produce 0-degree obliquity impacts. Four Oehler model 57 infrared velocity light screens, in conjunction with two HP 5315A time-based frequency counters, were placed such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a piece of 1/8" corrugated cardboard witness mounted 18 inches behind and parallel to the test sample. Results for all testing performed for this purpose are summarized in the following table.

| Test Sample | | | | Ballistic Threat | | | | Results | |
|-------------|---|---------------|-------------------------|------------------|-------|----------------|------|--------------|--------------------|
| OBL No.: | Model No.: | Weight (lbs.) | Average Thickness (in.) | Projectile | Shots | Velocity (fps) | | Penetrations | Pass/Fail |
| | | | | | | Min: | Max: | | |
| 38140 | Gen II AP2-DC-AP750BR (Door Conversion) | 18.6 | N/A | 9mm 124gr FMJ | 10 | 1224 | 1247 | 0 | <u>PASS</u> |


*Data shown in the table represents fair impacts only.

This report pertains only to the samples tested and may not be modified or edited in any way. This report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any federal government agency. Samples will be maintained at Oregon Ballistic Laboratories for 30 days and discarded unless other instructions are received. If you have any further questions or concerns, don't hesitate to contact us.

Reviewed by,

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BALLISTIC RESISTANCE TEST - V₀

Customer: Riot Glass
OBL ID#: 38140
Date Rcv'd: 10/7/2024
Test Date: 10/10/2024
Purchase Order:

TEST SAMPLE

Sample No.: 1-1
Model No.: Gen II AP2-DC-AP750BR (Door Conversion)
Lot No.: N/A
Plies: N/A
Description: Framed Glass Coupon

Size (in.): 14 x 14
Weight (lb.): 18.6
Thickness:
Avg. Thk. (in):

RANGE SET-UP

Range to Target: 15 ft.
Screen Dist. Vel. 1 (ft.): 5
Screen Dist. Vel. 2 (ft.): 4
Screen 4 to target (ft): N/A
Primary Vel. Location: 8.25 ft. from target
Striking Velocity: No
Target to Witness: 18 in.
Witness Panel: 1/8" Corr. Cardboard
Backing Material: N/A
Obliquity: 0 Degrees
Barrel: 9mm Luger/1:10/8"

Range #: 3
Temperature: 67.0 °F
Bar. Pressure: 29.99 in. Hg
Rel. Humidity: 47.0 %
Sample Temp. Amb. °F
Recorder: Jerhemi Stone
Gunner: Jonathan Valladares

Pre Test:
Clay Drops (mm):
Drop Avg (mm):
Clay Temp °F:
Clay Box #:
Post Test:
Clay Drops (mm):
Drop Avg (mm):
Clay Temp °F:

CLAY CALIBRATION NOT REQUIRED

AMMUNITION

Projectile: 9mm 124gr. FMJ Lot #23558

Powder: Accurate No. 2

STANDARDS / PROCEDURES

UL752 Edition 11 - Level 1

Required Velocity: 1175 fps + 118 fps

| SHOT NO. | PROJECTILE WT. (gr.) | POWDER WT. (gr.) | TIME 1 μ s (10 ⁻⁶) | TIME 2 μ s (10 ⁻⁶) | VELOCITY 1 ft/s | VELOCITY 2 ft/s | AVERAGE VELOCITY | PENET. P/C | OBLIQUITY | CALIPER BFD | NOTES |
|----------|----------------------|------------------|------------------------------------|------------------------------------|-----------------|-----------------|------------------|------------|-----------|-------------|--------------|
| 1 | 123.8 | 4.5 | 4040 | 3228 | 1238 | 1239 | 1239 | P | 0° | | Frame Seam |
| 2 | 123.7 | 4.5 | 4038 | 3243 | 1238 | 1233 | 1236 | P | 0° | | Glass Edge |
| 3 | 123.8 | 4.5 | 4039 | 3228 | 1238 | 1239 | 1239 | P | 0° | | Glass Edge |
| 4 | 123.7 | 4.5 | 4082 | 3262 | 1225 | 1226 | 1226 | P | 0° | | Glass Edge |
| 5 | 123.7 | 4.5 | 4088 | 3269 | 1223 | 1224 | 1224 | P | 0° | | Frame Seam |
| 6 | 123.8 | 4.5 | 4045 | 3248 | 1236 | 1232 | 1234 | P | 0° | | Frame Seam |
| 7 | 123.7 | 4.5 | 4058 | 3259 | 1232 | 1227 | 1230 | P | 0° | | Frame |
| 8 | 123.9 | 4.5 | 4068 | 3267 | 1229 | 1224 | 1227 | P | 0° | | Frame |
| 9 | 123.7 | 4.5 | 4040 | 3244 | 1238 | 1233 | 1236 | P | 0° | | Frame |
| 10 | 123.5 | 4.5 | 4003 | 3213 | 1249 | 1245 | 1247 | P | 0° | | Glass Corner |

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit
Projectile Yaw Check: <5° for all velocity shots

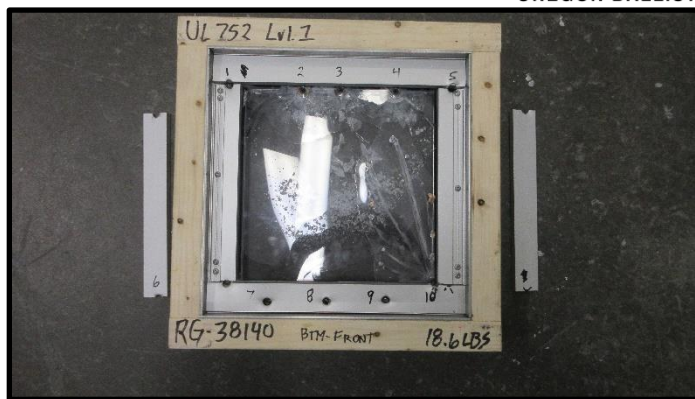
TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:



OREGON BALLISTIC LABORATORIES



OBL #38140 – Post Test