OREGON BALLISTIC LABORATORIES

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ISO/IEC 17025:2017 Accredited Laboratory
NVLAP Code: 200826-0

May 30th, 2023

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 Level 1 in an indoor range with the muzzle of the test barrel mounted 16.5 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.		
35327	AP75	5.05	0.826	9mm 124gr. FMJ	3	1254	1277	0	***PASS***

*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.

Darius Nuttbrock
Ballistic Test Director
Oregon Ballistic Laboratories
503.689.5134
Email: dnuttbrock@oregonbl.com

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BALLISTIC RESISTANCE TEST - V_0

Customer:	Riot Glass
OBL ID#:	35327
Date Rcv'd:	4/27/2023
Test Date:	5/10/2023
Purchase Order:	

TEST SAMPLE

Model No.:	AP75	**Size (in.):**	12 x 12				
Sample No.:	1	**Weight (lb.):**	5.05				
Lot No.:	N/A	**Thickness:**	0.818	0.819	0.838	0.827	
Plies:	N/A	**Avg. Thk. (in):**	0.826				
Description:	Ballistic Transparency						

RANGE SET-UP — **CLAY CALIBRATION NOT REQUIRED**

Range to Target:	16.5 ft.	**Range #:**	3	**Pre Test:**	
Screen Dist. Vel. 1 (ft.):	5	**Temperature:**	71.9 °F	**Clay Drops (mm):**	
Screen Dist. Vel. 2 (ft.):	4	**Bar. Pressure:**	29.81 in. Hg	**Drop Avg (mm):**	
Screen 4 to target (ft):	N/A	**Rel. Humidity:**	44.0 %	**Clay Temp °F:**	
Primary Vel. Location:	8.25 ft. from target	**Sample Temp.**	Amb. °F	**Clay Box #:**	
Striking Velocity:	No	**Recorder:**	Jerhemi Stone	**Post Test:**	
Target to Witness:	18 in.	**Gunner:**	Nathan Myers	**Clay Drops (mm):**	
Witness Panel:	1/8" Corr. Cardboard			**Drop Avg (mm):**	
Backing Material:	N/A			**Clay Temp °F:**	
Obliquity:	0 Degrees				
Barrel:	9mm Luger/1:10/10"				

AMMUNITION

Projectile: 9mm 124gr. FMJ Lot #23558 **Powder:** Accurate No. 2

STANDARDS / PROCEDURES

UL 752 Level 1 **Required Velocity:** 1175 fps + 117 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 µs (10^{-6})	TIME 2 µs (10^{-6})	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	125.1	4.8	3920	3130	1276	1278	1277	P	0°		
2	123.5	4.8	3954	3160	1265	1266	1266	P	0°		
3	124.3	4.8	3992	3187	1253	1255	1254	P	0°		

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:

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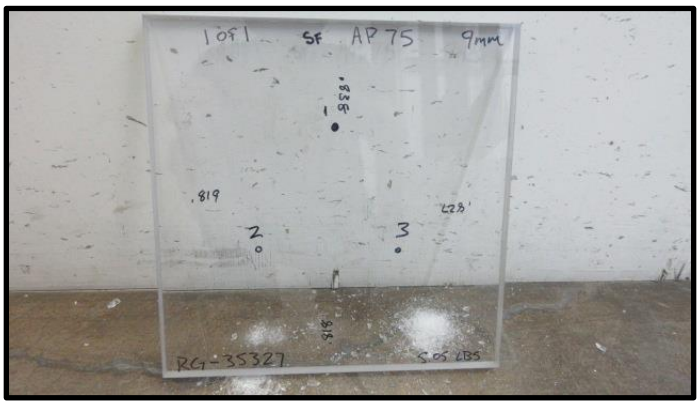
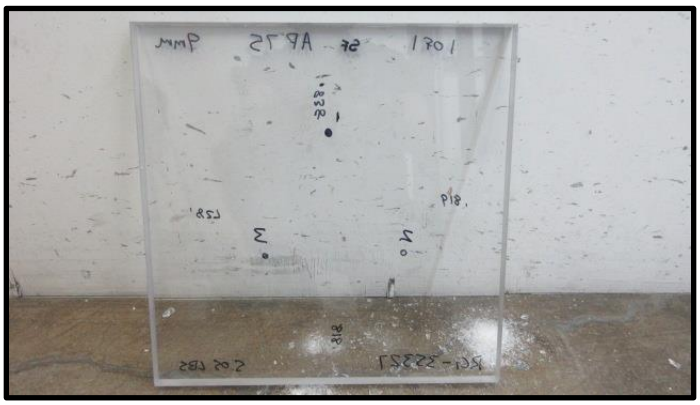
OBL #35327 – Pre Test





OBL #35327 – Post Test