



April 19th 2016

Ken Lukins, Principal
Lukins & Associates LLC
19745 Colima Road #1825
Rowland Heights, CA 91748-3219

Subject: testing of sample glass and expected ballistic performance with ACETM security laminates

Chief Lukins,

Advanced Coatings Engineering LLC (ACE) has prepared this opinion in response to the Sparks Police Department and the ballistic testing of the glass samples sent to ACE.

As previously discussed, glass samples were sent to ACE by the glazier of record on two separate occasions. On both occasions, the glass was poorly packed and catastrophically damaged¹ and subsequently un-useable for testing purposes.

ACE would note that testing of similar samples was conducted by ACE for the Battle Mountain Nevada Court House and with the results summarized in a report dated June 22nd 2015.

In that report, three test samples of glass were tested to the UL Level 1 (124 grain 9mm ammunition) and UL Level 2 (158 grain 357 magnum) ballistic standards. The three glass/laminate samples tested passed the stated requirement. Accompanying this correspondence is a copy of that test summary.

Based on those results, ACE concludes that glass of the same construction and quality treated with the recommended assembly of ACE 300 series security laminates can be expected to perform at a comparable level of ballistic resistance.

Sincerely,

Michael Draven
Chief Operating Officer
Advanced Coatings Engineering LLC

¹ On both occasions, the glass was partially or completely shattered to the extent where the delivery driver could audibly hear that the shipment was in many pieces. Given that it was evident that the glass was substantially or entirely damaged, on both occasions the packages were not accepted by the ACE shipping department.

ACE in-house ballistic test report

Number : 0809

Date: June 22, 2015

Not for general distribution, clients eyes only.

Battle Mountain Nevada Court House

NIJ level 2 Test: 5 shots (grouping Star configuration 6 inch apart)

Weapons used:

-Glock 27 .9mm
-Ruger SP101 .357 cal

Ammunition: 9mm full metal jacket
Grain: 124
Speed : 1175 +/- 50 ft/s

Ammunition: .357 Jacketed Soft Point
Grain: 158
Speed : 1395+/-50 ft/s

Distance: 30 feet
Temperature: 74°F, 0 wind velocity, 38% humidity

Sample tested (1) Bronze ASLX-I
Glock 27 .9mm
Result: **PASS**
Size: 20W x 20H
Thickness/construction ¼" x ¼"

Sample tested (3) Clear ASLX-F
Glock 27 .9mm
Result: **PASS**
Size: 20W x 20H
Thickness/construction ¼" x ½" 0.90 **P.V.B.**

Sample tested (2) Bronze ASLX-L
Ruger SP101 .357 cal
Result: **PASS**
Size: 20W x 20H ¼" x ¼"
Thickness/construction ¼ inch x ¼ inch

Sample tested Clear (4)
Result: **NOT TESTED**
Size: **Damaged Glass**
Thickness/construction: **Damaged Glass**

Range: ACE private facility Navan Ontario

Shooter: L.T. Stephen Cashion Sniper RCAF (ret.)
Observer: Andrew Smith Technician ACE
Test set up: Milton McDougal ACE
Test at the request of: Battle Mountain Project Court House

Notes:

- Glass samples to be returned to client.
- Sample (4) arrived damaged no test conducted on this unit.
- Photos, video to follow

Sample 1: Pass
Sample 2: Pass, showed stress and tearing on shots 4 and 5, no penetration
Sample 3: Pass
Sample 4: not tested



Lukins
&
a s s o c i a t e s

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**ACE**
Official Authorized Dealer

8 June, 2016

Subject: Lukins International (DBA Lukins & Associates) Designates Custom Glass of Reno, Nevada as Exclusive Representative for the state of Nevada

To Whom It May Concern:

Through contractual agreement (signed 24 December 2014) with Advanced Coatings Engineering (ACE) of Ottawa, Canada; the manufacturer of ACE Security Laminates, Lukins International (DBA Lukins & Associates) holds the exclusive rights to the state of California and all contiguous states.

No other company has the authorization to represent, sales or install ACE Security Laminates in this region (California, Nevada, Arizona, & Oregon) without permission of Lukins International.

Further, we are ACE's primary dealership and installers throughout the United States.

As ACE Security Laminate's exclusive dealer (sole source) through the above stated region, Lukins International hereby designates Custom Glass of Reno, Nevada as our exclusive representative.

For questions or concerns, please feel free to contact me.

Sincerely,



Kenneth R. Lukins, Chief, USCG (Retired)

Chief Executive Officer

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Please note that there are counterfeit companies representing ACE Security Laminates, and in particular a company in California calling itself Orange County ACE. ACE has filed a lawsuit and criminal charges against this counterfeiting operations and has posted the information on the internet to warn potential victims of this counterfeiter. Any offer from Orange County ACE does not represent ACE Security Laminates and involves counterfeit, inferior materials.