REPORT NUMBER: A1111003-011

Test Performed For:
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BOSIK TECHNOLOGIES 2013 LTD
2495 Del Zotto Ave, Ottawa, On K1T 3V6
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Test Performed By:
Bosik Technologies 2013 LTD
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TEST AND TEST MATERIAL IDENTIFICATION

Contract:	Contract Number	A1111003	Purchase Order	N/A
Material Identification:	Panel Description	Armored Door Sample	Lot Number	N/A
			Piece Number	Sample 1
			Panel Weight Dry (lbs.)	40.96
			Panel Weight Wet (lbs.)	N/A
	Model Number	N/A	Measured Thickness	N/A
	Serial Number	N/A	Date of Manufacture	N/A
	Size	18" x 18" x 1.75"	Date Tested	May 26, 2014
Laboratory Conditions:	Temperature (^{o}C)	24	Clay Calibration (mm)	N/A
	Relative Humidity (%)	40	Target Base Line (m)	V_1=1.51, V_2=1.01

Velocity Measurement Instrumentation: 3 Oehler Model 57 Infrared Photoelectric Screens with Oehler Chronograph Model 30 (V1) and Hewlett Packard Model 5315A (V2) Universal Counter reading the bullet time of flight on a 2 and 1 meter distance.

Firing Range: Distance between the front face of the Test material and the muzzle of the test barrel **4.6 Meters**

Test Barrel: **Caliber:** 9 mm **Length:** 28 inch **Twist:** 16 inch **Manufacturer:** Shilen Inc.

Loading Components:	Case	9mm Luger +P	Primer	CCI BR-4
	Powder	Hodgdon HS-6	Bullet Manufacturer	Hornady

Test Specification: V_{proof} Ballistic Bullet-Resisting Equipment test in a dry condition in accordance with UL 752 Level VI using 9mm, 124 grain FMJ RN bullets with a velocity range between 427m/s and 470m/s and firing five shots in a 4.5" square located in the centre of the test article. A corrugated cardboard witness plate (0.125") thick is placed 18 inches behind the test specimen to determine penetration.

BALLISTIC RESULTS

Shot Number	Shot Load (grains)	Shot Angle (degrees)	Instrumentation Velocity (m/s) $[(V_1+V_2)/2]$	Penetration: Partial or Complete	Deformation Depth (mm)	Fair or Unfair Impact	Shot Counted (m/s)
1	7.2	0	461	Partial	N/A	Fair	461
2	7.2	0	462	Partial	N/A	Fair	462
3	7.2	0	459	Partial	N/A	Fair	459
4	7.2	0	456	Partial	N/A	Fair	456
5	7.2	0	452	Partial	N/A	Fair	452
						Average velocity:	458

Does this shoot pack meet or exceed the specified requirements? **Yes**

Test Performed By: Daniel Lavallee

Test Results Checked By: Hailom Gebremeskel, B.Eng.