

REPORT NUMBER: A1111003-012

Test Performed For:
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 Ottawa, Ontario
 Canada, K1J 7R8
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Test Performed By:
 Bosik Technologies 2013 LTD
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TEST AND TEST MATERIAL IDENTIFICATION

Contract: Contract Number Purchase Order

Material Identification: Panel Description	Armored Door Sample with 14 Ga door skins	Lot Number	N/A	
		Piece Number	Sample 1	
		Panel Weight Dry (lbs.)	17.12	
		Panel Weight Wet (lbs.)	N/A	
	Model Number	N/A	Measured Thickness	1.720"
	Serial Number	N/A	Date of Manufacture	N/A
	Size	18" x 18"	Date Tested	June 15, 2017

Laboratory Conditions:	Temperature (°C)	19	Clay Calibration (mm)	N/A
	Relative Humidity (%)	43	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 metre distance.

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

Test Barrel:

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

Test Specification: V_{proof} Ballistic Bullet-Resisting Equipment test in a dry condition in accordance with UL 752 Level I, using a 120 mm equilateral triangle shot pattern located at the centre of the test article and 9mm, 124 grain FMJ RN bullets with a velocity range between 358m/s and 394m/s. The test sample is secured firmly with bolts in a steel sandwich frame with a Corrugated Cardboard Witness Plate (0.125") thick placed 18 inches behind it, 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	5.9	0	363	Partial	N/A	Fair	363
2	5.9	0	364	Partial	N/A	Fair	364
3	5.9	0	381	Partial	N/A	Fair	381
Average velocity:							369

Does this armour meet or exceed the specified requirements?

Test Performed By:
 Daniel Lavallee

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