REPORT NUMBER: 2211189-004

Test Performed For:
Canarmor Inc.
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Unit 3
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Test Performed By:
Bosik Technologies Limited
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email: ballistics@bosik.com
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TEST AND TEST MATERIAL IDENTIFICATION

Contract:	Contract Number	2211189	Purchase Order	N/A
Material Identification:	Panel Description	Front curved composite plate Stand alone	Lot Number	Unknown
			Piece Number	N/A
			Panel Weight Dry (lbs.)	6.20
			Panel Weight Wet (lbs.)	6.24
	Model Number	N/A	Measured Thickness	N/A
	Serial Number	TP-1012-CER	Date of Manufacture	Unknown
	Size	10" x 12"	Date Tested	September 6, 2013
Laboratory Conditions:	Temperature (^{o}C)	21	Clay Calibration (mm)	19
	Relative Humidity (%)	43	Target Base Line (m)	V_1=1.66, V_2=1.16

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 **5 Metres**

Test Barrel: **Calibre: .**308 Winchester **Length:** 32 inch **Twist rate:** 1-12 inch **Manufacturer:** Shilen Inc

Loading Components:	Case	Remington .308 R-P	Primer	CCI BR-2
	Powder	IMR 4227	Bullet Manufacturer	N/A

Test Specification: Vproof Ballistic Penetration and Backface Signature (P-BFS) Test in a wet condition in accordance with NIJ 0101.04 Level III "Special", with a maximum deformation depth of 44 mm. Using 3 horizontally + 2 vertically positioned Velcro elastic straps 2 inch wide to secure the Test Sample to the Clay Backing material, and 7.62 x 51 mm (M80) 150 grain FMJ steel jacketed bullets with a velocity range between 838m/s and 856m/s.

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	34.4	0	836	Partial	33	Fair	836
2	34.4	0	841	Partial	36	Fair	841
3	34.4	0	839	Partial	38	Fair	839
4	34.4	0	840	Partial	41	Fair	840
5	34.4	0	836	Partial	26	Fair	836
6	34.4	0	841	Partial	30	Fair	841
						Average velocity:	839

Does this armour meet or exceed the specified requirements? **Yes**

Test Performed By: Daniel Lavallee

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