

**REPORT NUMBER: 2211189-001**

Test Performed For:  
 Canarmor Inc.  
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 Unit 3  
 Richmond Hill, Ontario  
 Canada, L4C 1T7  
 (P) (416) 244-2476  
 (C) (905) 884-8338  
 website: www.canarmor.ca



Test Performed By:  
 Bosik Technologies Limited  
 2495 Delzotto Avenue  
 Ottawa, Ontario  
 Canada, K1T 3V6  
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 email: ballistics@bosik.com  
 website: www.bosik.com

**TEST AND TEST MATERIAL IDENTIFICATION**

<b>Contract:</b> Contract Number	2211189	Purchase Order	N/A
<b>Material Identification:</b> Panel Description	Front panel with carrier	Lot Number	Unknown
		Piece Number	N/A
		Panel Weight Dry (lbs.)	3.88
		Panel Weight Wet (lbs.)	4.00
		Measured Thickness	N/A
Model Number	N/A	Date of Manufacture	August 1, 2013
Serial Number	POL-B-TP	Date Tested	September 6, 2013
Size	Medium		
<b>Laboratory Conditions:</b> Temperature (°C)	20	Clay Calibration (mm)	18
Relative Humidity (%)	45	Target Base Line (m)	V <sub>1</sub> =1.66, V <sub>2</sub> =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:** 9 mm    **Length:** 28 inch    **Twist rate:** 1-16 inch    **Manufacturer:** Shilen Inc.

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

**Test Specification:** V<sub>proof</sub> Ballistic Penetration and Backface Signature (P-BFS) Test in a wet condition in accordance with NIJ 0101.04 Level IIIA, with a maximum deformation depth of 44mm. Using 3 horizontally positioned Velcro elastic straps 2 inch wide to secure the Test Sample to the Clay Backing material, and 9mm, 124 grain FMJ RN bullets at a velocity range between 427m/s and 445m/s.

**BALLISTIC RESULTS**

Shot Number	Shot Load (grains)	Shot Angle (degrees)	Instrumentation Velocity (m/s) [(V <sub>1</sub> +V <sub>2</sub> )/2]	Penetration: Partial or Complete	Deformation Depth (mm)	Fair or Unfair Impact	Shot Counted (m/s)
1	7.1	0	435	Partial	21	Fair	435
2	7.1	0	442	Partial	21	Fair	442
3	7.1	0	435	Partial	16	Fair	435
4	7.1	30	431	Partial	N/A	Fair	431
5	7.1	30	438	Partial	N/A	Fair	438
6	7.1	0	431	Partial	12	Fair	431
Average velocity:							435

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

Test Performed By:   
 Daniel Lavallee

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