

**REPORT NUMBER: 2211189-003**

Test Performed For:  
 Canarmor Inc.  
 10101 yonge St  
 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  
 (P) (613) 822-8898  
 (F) (613) 822-3672  
 email: ballistics@bosik.com  
 website: www.bosik.com

**TEST AND TEST MATERIAL IDENTIFICATION**

**Contract:** Contract Number  Purchase Order

<b>Material Identification:</b>	Panel Description	<input type="text" value="Front curved composite plate Stand alone"/>	Lot Number	<input type="text" value="Unknown"/>
			Piece Number	<input type="text" value="N/A"/>
			Panel Weight Dry (lbs.)	<input type="text" value="6.22"/>
			Panel Weight Wet (lbs.)	<input type="text" value="6.28"/>
	Model Number	<input type="text" value="N/A"/>	Measured Thickness	<input type="text" value="N/A"/>
	Serial Number	<input type="text" value="TP-1012-CER4"/>	Date of Manufacture	<input type="text" value="Unknown"/>
	Size	<input 12"="" type="text" value="10" x=""/>	Date Tested	<input type="text" value="September 6, 2013"/>

<b>Laboratory Conditions:</b>	Temperature (°C)	<input type="text" value="20"/>	Clay Calibration (mm)	<input type="text" value="19"/>
	Relative Humidity (%)	<input type="text" value="44"/>	Target Base Line (m)	<input type="text" value="V&lt;sub&gt;1&lt;/sub&gt;=1.66, V&lt;sub&gt;2&lt;/sub&gt;=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

**Test Barrel:** **Calibre:** 300 Remington Ultra Mag **Length:** 32 inch **Twist:** 1-10 inch **Manufacturer:** Shilen Inc.

<b>Loading Components:</b>	Case	<input type="text" value="300 Remington Ultra Mag"/>	Primer	<input type="text" value="CCI BR-2"/>
	Powder	<input type="text" value="IMR 4227"/>	Bullet Manufacturer	<input type="text" value="N/A"/>

**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 IV "SPECIAL", with a maximum deformation depth of 44mm. Using 3 horizontally + 2 vertically positioned Velcro elastic straps 2 inch wide to secure the Test Sample to the Clay Backing material, and .30 calibre (M2 AP) 166 grain FMJ bullets at a velocity range between 869m/s and 887m/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	54.0	0	872	Partial	31	Fair	872
Average velocity:							872

Does this armour meet or exceed the specified requirements?

Test Performed By:   
 Daniel Lavallee

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