

REPORT NUMBER: A1111003-009

Test Performed For:
 Ambico Limited
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 Canada, K1J 7R8
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 website:



Test Performed By:
 Bosik Technologies 2013 LTD
 2495 Del Zotto Avenue
 Ottawa, Ontario
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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 5
		Panel Weight Dry (lbs.)	51.90
		Panel Weight Wet (lbs.)	N/A
		Measured Thickness	N/A
Model Number	N/A	Date of Manufacture	N/A
Serial Number	N/A	Date Tested	May 26, 2014
Size	18" x 18" x 1.75"		
Laboratory Conditions: Temperature (°C)	23	Clay Calibration (mm)	N/A
Relative Humidity (%)	42	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:** .223 Remington **Length:** 26.25 inch **Twist:** 1-7 inch **Manufacturer:** Wiseman Inc.

Loading Components:	Case	.223 Remington R-P	Primer	CCI BR-4
	Powder	IMR 4227	Bullet Manufacturer	Speer

Test Specification: V_{proof} Ballistic Bullet-Resisting Equipment test in a dry condition in accordance with UL 752 Level VII using M193, 5.56x45mm, 55 grain FMJ BT bullets with a velocity range between 939m/s and 1033m/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	20.3	0	985	Partial	N/A	Fair	985
2	20.3	0	1004	Partial	N/A	Fair	1004
3	20.2	0	1006	Partial	N/A	Fair	1006
4	20.2	0	997	Partial	N/A	Fair	997
5	20.2	0	1001	Partial	N/A	Fair	1001
Average velocity:							1001

Does this armour meet or exceed the specified requirements? Yes

Test Performed By: 
 Daniel Lavallee

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