

**REPORT NUMBER: A1111003-013**

Test Performed For:  
 Ambico Limited  
 1120 Cummings Avenue  
 Ottawa, Ontario  
 Canada, K1J 7R8  
 (P) (613) 746-4663 x341  
 (F) (613)746-4721  
 email: tberry@ambico.com  
 website:



Test Performed By:  
 Bosik Technologies 2013 LTD  
 2495 Del Zotto Avenue  
 Ottawa, Ontario  
 Canada, K1T 3V6  
 (P) (613) 822-8898 ext 222  
 (F) (613) 822-3672  
 email: ballistics@bosik.com  
 website: www.bosik.com

**TEST AND TEST MATERIAL IDENTIFICATION**

**Contract:** Contract Number

Purchase Order

**Material Identification:** Panel Description   
 Model Number   
 Serial Number   
 Size

Lot Number   
 Piece Number   
 Panel Weight Dry (lbs.)   
 Panel Weight Wet (lbs.)   
 Measured Thickness   
 Date of Manufacture   
 Date Tested

**Laboratory Conditions:** Temperature (°C)   
 Relative Humidity (%)

Clay Calibration (mm)   
 Target Base Line (m)

**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:** .44 Magnum **Length:** 28 inch **Twist rate:** 1-20 inch **Manufacturer:** Shilen Inc.

**Loading Components:** Case   
 Powder

Primer   
 Bullet Manufacturer

**Test Specification:** V<sub>proof</sub> Ballistic Bullet-Resisting Equipment test in a dry condition in accordance with UL 752 Level III using a 120 mm equilateral triangle shot pattern located at the centre of the test article and .44 calibre, 240 grain lead SWC bullets with a velocity range between 411m/s and 452m/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 <sub>1</sub> +V <sub>2</sub> )/2]	Penetration: Partial or Complete	Deformation Depth (mm)	Fair or Unfair Impact	Shot Counted (m/s)
1	20.6	0	440	Partial	N/A	Fair	440
2	20.6	0	436	Partial	N/A	Fair	436
3	20.6	0	439	Partial	N/A	Fair	439
Average velocity:							438

Does this armour meet or exceed the specified requirements?

Test Performed By:   
 Daniel Lavallee

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