

REPORT NUMBER: A1111003-004

Test Performed For:
Ambico Limited
1120 Cummings Avenue
Ottawa, Ontario
Canada, K1J 7R8
(P) (613) 746-4663 x341
(F) (613)746-4721
email: mbazinet@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
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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: 300 Remington Ultra Mag Length: 32 inch Twist: 1-10 inch Manufacturer: Shilen Inc

Loading Components: Case
Powder Primer
Bullet Manufacturer

Test Specification: V_{proof} Ballistic Bullet-Resisting Equipment test in a dry condition in accordance with UL 752 Level IV " Special" using .30 calibre 180 grain, Lead Core Soft Point, "Spitzer" bullets with a velocity range between 774m/s and 852m/s with a single shot fired at 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	53.0	0	839	Partial	N/A	Fair	839
Average velocity:							839

Does this armour meet or exceed the specified requirements?

Test Performed By:
Daniel Lavallee

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