

Ballistic Testing Services

Report Number: BTR-04-27-2009-N/A-BR-3 - Sample 3

Phone: 800-513-4291 Email: techsupport@CloseFocusResearch.com

CloseFocusResearch.com

Name: **Security Metal Products Corporation**
 Address: **5700 Hannum Avenue, Suite 250, Culver City, CA 90230**
 Phone: **Phone: 310-641-6690, cell: 562-618-5720**

Report Date: **April 27, 2009**
 Contact: **Roger Lange**
 Email: **sales@secmet.com**

Ballistic Results

Project Summary

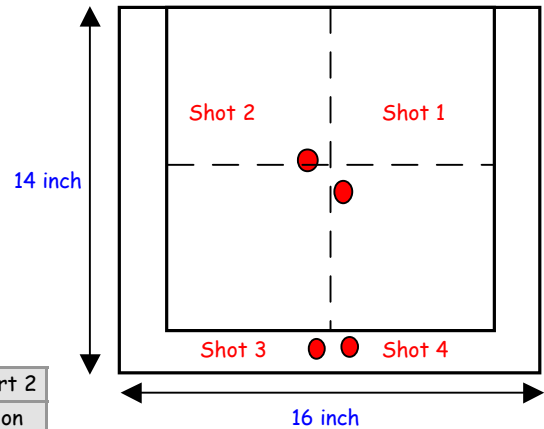
Type of Products to be tested: **Door and Frame Assembly**
 Test Specimen Sample size(s): **14 x 16 inch**
 Number of test specimens: **3 Sample(s)**
 Weight of all samples: **92 lbs**
 Are Materials a Health Hazard: **No**
 Need the Tests performed by: **May 1, 2009**
 Need products shipped back: **Yes**
 Purchase Order Number: **N/A**

International Ballistic Standards / Specifications Testing

ASTM Brunswick FRA NIJ CFR Pass All
 Australian Canadian Germ DIN State Dept CFR SYA
 British EN 1063 MIL-SAMIT UL 752 Other
 Test Standard: **UL 752**
 Particular Test: **UL Level 3 Part 2 (.44 Magnum SWC)**
 Velocity Range: **1,350 to 1,485 ft/s**
 Number of Shots: **2 shots**
 Spacing / Pattern: **1.25 to 1.75 in.**

Test Results

Product Number: **BR-3 - Sample 3**
 Sample Type: **Door and Frame Assembly**
 Sample Size: **14 x 16 inch**
 Thickness: **6 inches**
 Weight: **30.5 lbs**
 Weapon Type: **.44 Magnum**
 Cartridge / Projectile Type: **.44 Magnum SWC**
 Projectile Weight: **240 gr**
 Target Distance: **15 ft**



	UL Level 3 Part 2	
	Door Section	Frame Section
Particular Test:	UL Level 3 Part 2	
Number of Shots:	Door Section	
Shot Sequence:	Shot 1	Shot 2
Impact Velocity (ft/sec) *:	1,355	1,362
Impact Energy (ft-lbs):	978	988
Impact Momentum (lb-sec):	1.44	1.45
Impact Spacing (inches) **:	N/A	1.50
Impact Angle (degrees):	0°	0°
Penetration Effect:	NP	NP

	UL Level 3 Part 2	
	Door Section	Frame Section
Particular Test:	UL Level 3 Part 2	
Number of Shots:	Frame Section	
Shot Sequence:	Shot 3	Shot 4
Impact Velocity (ft/sec) *:	1,377	1,372
Impact Energy (ft-lbs):	1,010	1,003
Impact Momentum (lb-sec):	1.47	1.46
Impact Spacing (inches) **:	N/A	1.25
Impact Angle (degrees):	0°	0°
Penetration Effect:	NP	NP

Impact Spacing / Pattern: **1.50 inch (average)** **1.25 inch (average)**

Witness plate material: **0.125 in. thick corrugated cardboard**

Witness Plate Distance: **18 inches**

Spall Occurrence: **None**

Test Temperature: **73 °F**

Test Date: **April 27, 2009**

NP = No Penetration

Comments: **Passed the Test**

CP = Complete Penetration

Comments and Test Descriptions

- * Velocity measurements were taken at a distance of 6.6 ft from muzzle
- ** Impact Spacing is the distance between shots. (shot 1= N/A and shot 2 = 1 to 2)

Test and Report Engineers

Tested and Reported by: **Sam Wilson**

Signature: *Sam Wilson*

Date: **April 27, 2009**

Name: Security Metal Products Corporation

Report Date: April 27, 2009

Ballistic Test Results and Photographs

Ballistic Test Results:

The Door and Frame Assembly sample passed the UL Level 3 Part 2 (.44 Magnum SWC) Ballistic test.

Projectile Penetration Effects:

There was no partial or complete projectile penetration of the Door or Frame Assembly sample for all 4 shots.

Witness Plate and Spall Effects:

No spall was observed and no damage occurred to the 0.125 in. thick corrugated cardboard witness plate.

Test and Report Engineers

Tested and Reported by: Sam Wilson

Signature: *Sam Wilson*

Date: April 27, 2009