

## Test Report (NIJ 0101.07)

Report Number: **TR26-002**  
Test Item: Flexible Armor Panels

Standard: National Institute of Justice  
Standard No. 0101.07  
Protection Level: HG2

Prepared for: Canadian Armour Ltd.  
(o/a: CANARMOR)  
636 Edward Avenue, Unit 1  
Richmond Hill, Ontario, L4C 0V4

Prepared by: Terry Rohachuk  
Biokinetics and Associates Ltd  
2470 Don Reid Drive  
Ottawa, ON K1H 1E1  
Canada  
☎ 613-736-0384  
🌐 [www.biokinetics.com](http://www.biokinetics.com)



Certificate Number: AT-2602

PO:  
Code:40-92  
Proposal:P26-04B

The results apply to the sample as received and relate only to the items tested. This is not an endorsement of the continuing quality or performance of any other items of the same or similar design.

Statements of conformity to specifications are not made or implied in this report. Review the results, expanded uncertainty, and specifications to ensure they meet your requirements.

The report shall not be reproduced except in whole without the approval of the laboratory.

## Perforation - Backface Signature Test

Method                   NIJ 0101.07           Type: HG2  
 Projectile               .44 mag 240gr JHP  
 Vref. (m/s)             436 +/- 9m/s  
 Condition               New  
 Range (m)               5

### Test Item

ID                         1  
 Item Type/Size         Flexible armour  
 Manufacturer           Canarmor  
 Model                   NA  
 Date                    FEB 1 26  
 S/N                     Testing  
 Lot No.                 NA  
 Conditioning           Ambient

### Analysis

**Report No.**            **TR26-002**  
 Range #                 1  
 Technician             TR  
 Test Date              2026-02-06  
 Temp. C                19  
 RH %                   9

<b>BFS<sub>max</sub> :</b>	<b>39.17 mm</b>	<b>Pass</b>	
Obliquity	Min.	Max.	Units
0°	432	443	m/s
30°	444	444	m/s
45°	443	443	m/s

### Results

Shot	m/s	CP/PP	BFS mm	Obliquity °	Fair	Accept	Note
1	438.0	PP	37.09	0	Y	Y	
2	443.0	PP	38.18	0	Y	Y	
3	442.0	PP	39.17	0	Y	Y	
4	444.0	PP		30	Y	Y	
5	443.0	PP		45	Y	Y	
6	432.0	PP		0	Y	Y	
7	432.0	PP		0	Y	Y	

### Clay Validation

Block ID	Clay °C	1	2	3	4	5	Avg.	
4	46.1	21	20	19	19	18	19.4	Pre-test

Notes: 1- excessive velocity, 2- insufficient velocity, 3- too close to edge, 4- too close to prior impact, 5- test terminated

\*Measurement uncertainty for velocity = 1.1%

\*Measurement uncertainty for deformation = 0.0081 mm

## Perforation - Backface Signature Test

Method                   NIJ 0101.07           Type: HG2  
 Projectile               9mm 124gr FMJ RN  
 Vref. (m/s)             448 +/- 9m/s  
 Condition               New  
 Range (m)               5

### Test Item

ID                         2  
 Item Type/Size         Flexible armour  
 Manufacturer           Canarmor  
 Model                   NA  
 Date                    FEB 1 26  
 S/N                     Testing  
 Lot No.                 NA  
 Conditioning           Ambient

### Analysis

**Report No.**            **TR26-002**  
 Range #                 1  
 Technician             TR  
 Test Date              2026-02-06  
 Temp. C                19  
 RH %                    9

<b>BFS<sub>max</sub> :</b>	<b>26.49 mm</b>	<b>Pass</b>	
Obliquity	Min.	Max.	Units
0°	442	447	m/s
30°	448	448	m/s
45°	441	441	m/s

### Results

Shot	m/s	CP/PP	BFS mm	Obliquity °	Fair	Accept	Note
1	447.0	PP	25.89	0	Y	Y	
2	444.0	PP	26.49	0	Y	Y	
3	442.0	PP	25.21	0	Y	Y	
4	448.0	PP		30	Y	Y	
5	441.0	PP		45	Y	Y	
6	445.0	PP		0	Y	Y	

### Clay Validation

Block ID	Clay °C	1	2	3	4	5	Avg.	
5	46.9	20	19	19	18	19	19	Pre-test

Notes: 1- excessive velocity, 2- insufficient velocity, 3- too close to edge, 4- too close to prior impact, 5- test terminated

\*Measurement uncertainty for velocity = 1.1%

\*Measurement uncertainty for deformation = 0.0081 mm