



# BALLISTIC TEST REPORT

## TEST NO. 022-026

Test Date: 24 February 2007

Test Site: SWRI  
 Address: 6220 Culebra Rd., San Antonio, TX  
 Phone: 210-522-3996

Report Date: 24 February 2007  
 Contact: Carl Weiss, Research Engineer  
 Email: cweiss@swri.org

### GENERAL INFORMATION

Type of Material: Transparent Armor  
 Manufacturer: XO Armor  
 Description: Glass / Plastic  
 Sample Size: 18" x 18"  
 Thickness: ~ 1/2"  
 Spall Liner: N/A  
 Weight: 16.5 lb  
 Areal Density: 7.33 psf

### APPLICABLE STANDARDS OR PROCEDURES

Weapon/Test Barrel: .357 Magnum Universal Barrel  
 Required Velocity: 1,395 +/- 50 fps  
 Number of Shots: 5  
 Caliber: .357  
 Projectile Type: 158 gr JSP  
 Projectile Wt: 158 grains  
 Protection Level: NIJ 0108.01 Level II

### SET-UP

Shot Spacing: 5-inch square  
 Obliquity: 0°  
 Range to Target: 20 ft.  
 Witness Panel: 0.02" Aluminum  
 Target to Witness: 6 in.

### ATMOSPHERIC CONDITIONS

Temperature: Ambient (~75 F)  
 BP: Indoor  
 Altitude: N/A  
 RH: Indoor  
 Wind: Indoor

### AMMUNITION

1: .357 Magnum 158 grain JSP Lot No: N/A

### TEST RESULTS

Shot No.	Ammo	Velocity (fps)	Pass/Fail	Footnotes
22	1	1,403	Pass	No damage to witness plate
23	1	1,386	Pass	No damage to witness plate
24	1	1,394	Pass	No damage to witness plate
25	1	1,402	Pass	No damage to witness plate
26	1	1,442	Pass	No damage to witness plate



Test 022-026 Strike Face



Test 022-026 Safe Side