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Armormax
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2021
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Ballistic Testing of Vehicle Side Window

1. TEST SAMPLES

- 1.1. Armormax supplied one bullet resistant vehicle side window for testing.
- 1.2. The window was of unspecified construction.
- 1.3. The window passed with no penetrations or splintering.

2. TEST ARRANGEMENT

- 2.1. The test was done at the SABS ballistic laboratory on 6 April 2009.
 - 2.2. The glass was tested to SANS 1263-3:2007 Class GC.
 - 2.3. Shooting pattern was the 3 shot pattern as required in SANS 1263-3:2007.
 - 2.4. A standard AVL pressure test barrel was used as weapon.
 - 2.5. Striking velocities were measured 1,5m from the barrel on a 3m range, using a Drello 4043 ballistic chronograph.
 - 2.6. All test firings were conducted at an average temperature of 24°C and relative humidity of 32%.
3. J Conradie and S Matloga of the SABS executed all tests.

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14. RESULTS

4. Test on bullet resistant vehicle side window supplied by Armormax.

4.1. Tested to the test variables of SANS 1263-3:2007 Class GC.

4.2 RESULTS

The following were the test results obtained on a 3m range

Level		Class GC	
Ammunition Calibre, Mass and Type		44 Magnum, 240gr (15.6g) SWC	
Required velocity		450 +20m/s	
Shot	Penetration	Muzzle velocity V_3 (m/s)	Result
1 x 0°	No	431.11	Pass
2 x 0°	No	439.48	Pass
3 x 0°	No	437.22	Pass

4.3. OVERALL RESULT

The window complies with Class GC of SANS 1263-3:2007 with no penetrations or splintering. Compliance with Class GC includes compliance with Class GA (9mm Parabellum) and Class GB (357 Magnum).



S Matloga
Test Officer



J Conradie
Senior Test Officer

This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of official test reports.)

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