**BALLISTIC RESISTANCE TEST - V₀**

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**Customer:** Aircraft Rubber Manufacturing  
**OBL ID#:**  
**Test Date:** 11/4/2010  **Start:** 0900  **Stop:** 1045  
**Purchase Order:**

**TEST SAMPLE**  
Sample No.: "ARM-R-COAT Level II" Sample #1  
Size: 20x20x20 in.  
**Thickness:** 0.325 in.  
**Avg. Thick.:**  
**Description:** Self sealing coating

**SET-UP**  
**Vel. Screens:** 2.5 meter center from target  
**Temperature:** 70.5 °F  
**Range to Target:** 16.4'  
**Chamber Temp:** n/a  
**Target to Witness:** n/a  
**Rel. Humidity:** 43.8 %  
**Backing Mat'l.:** None  
**Witness Panel:**  
**Gunner:** Paul Frampton  
**Recorder:** Brandon Bertsch  
**Obliquity:** Various  
**Barrel:** .308  
**Fuel:** Type II Diesel @ ambient temp.

**AMMUNITION**  
(1): 7.62 M80, Ball copper  
Lot No.: N/A  

**POWDER**  
(1): N133  

**STANDARDS AND PROCEDURES**  
(1): NIJ STD 0108.01 Level III (mod)

<table>
<thead>
<tr>
<th>SHOT NO.</th>
<th>AMMO</th>
<th>POWDER WT. (gr.)</th>
<th>VELOCITY 1 ft/s</th>
<th>VELOCITY 2 ft/s</th>
<th>AVERAGE VELOCITY ft/s</th>
<th>PENET. P/C</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>42.9</td>
<td>2788</td>
<td>2780</td>
<td>2784</td>
<td>CC</td>
<td>Projectile hit above fuel line - No seepage after</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>42.8</td>
<td>2768</td>
<td>2759</td>
<td>2764</td>
<td>CP</td>
<td>No leak / seepage</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>42.8</td>
<td>2807</td>
<td>2799</td>
<td>2803</td>
<td>CP</td>
<td>No leak / seepage</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>42.6</td>
<td>2776</td>
<td>2773</td>
<td>2775</td>
<td>CP</td>
<td>No leak / seepage</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>42.5</td>
<td>2752</td>
<td>2745</td>
<td>2749</td>
<td>CP</td>
<td>Hit @ approx. 45° angle. No leak / seepage</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>42.5</td>
<td>2749</td>
<td>2747</td>
<td>2748</td>
<td>CC</td>
<td>Hit @ approx. 45° angle 3&quot; from corner</td>
</tr>
</tbody>
</table>

**REMARKS:**  
CP=Complete - Partial  
CC=Complete - Complete  
BH=Bad Hit

**TEST RESULTS:**  
Test sample satisfied the ballistic requirements given.

**FOOTNOTES:** Shot #1 showed no signs of seepage after fuel line was raised above entry/exit. Shot #6 leaked less than 1 teaspoon out of exit in 5 minutes at an average rate of 1 drip every 8-9 seconds. All leaking / seepage stopped at or around 7:33. No "spurt" was noticed on any entry. Tank was filled with fuel until roughly 3" from top.

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**Quality Manager:**  
Steve Griffith  

**Ballistics Manager:**  
Brandon Bertsch