

**Table 3: Detailed Test Results**

Sample	A	B	C
<b>Clearcoat</b>	<b>Nano-Clear</b>	<b>CeramiClear</b>	<b>SB Acrylic Silane Melamine OEM</b>
<b>Manufacturer</b>	<b>Nanovere</b>	<b>PPG</b>	<b>DuPont</b>
<b>Cure Schedule</b>	<b>30' @ 150°F</b>	<b>30' @ 150°F</b>	<b>OEM</b>
<b>Clearcoat DFT (mils)</b>	<b>1.8 - 2.0</b>	<b>1.8 - 2.0</b>	<b>2.1 - 2.0</b>
Gloss per ASTM D523 (20 °/60°)	86.0 / 92.2	85.8 / 92.0	88.1 / 94.1
Adhesion per ASTM D3359 Method B to White (A1 & B1)	5B / 100%	5B / 100%	5B / 100%
Adhesion per ASTM D3359 Method B to Silver (A2 & B2)	0B / 0%	0B / 0%	---
Pencil Hardness - Scratch per ASTM D3363	4H	F	4H
Pencil Hardness - Gouge per ASTM D3363	5H	3B	2B
Pencil Hardness - Gouge per ASTM D3363 After 24 Hr. Recovery	2H	3B	2B
Taber Abrasion per ASTM D4060 (mg lost per 1,000 cycles)	19.85	36.20	52.20
<u>Impact Resistance per ASTM D2794 - Initial</u>			
Direct (inch-pounds)	150 Fail / 140 Pass	90 Fail / 80 Pass	50 Fail / 40 Pass
Reverse (inch-pounds)	160 Pass	120 Fail / 100 Pass	10 Fail / 5 Pass
<u>Impact Resistance per ASTM D2794 - After 48 Hrs. @ 250n/lbs</u>			
Direct (inch-pounds)	70 Fail / 60 Pass	60 Fail / 50 Pass	20 Fail / 10 Pass
Reverse (inch-pounds)	5 Fail	5 Fail	5 Fail
Flexibility per ASTM D522	Pass 1/4	n/a	Fail 3/4" / Pass 1" **
<u>Chemical Spot Resistance per ASTM D1308</u>			
10% Sulfuric Acid	No Effect	No Effect	No Effect
10% Hydrochloric Acid	No Effect	No Effect	No Effect
10% Sodium Hydroxide	No Effect	No Effect	No Effect
10% Ammonium Hydroxide	No Effect	No Effect	No Effect
Isopropyl Alcohol	No Effect	No Effect	No Effect
Xylene	Slight Softening	Slight Softening	Slight Swelling
Xylene (24 hour recovery)	No Effect	No Effect	No Effect
MEK	No Effect	No Effect	No Effect
Gasoline (87 Octane)	No Effect	No Effect	No Effect
MEK Resistance per ASTM D4752 (Double Rubs)	> 1,500	260	> 1,500