



## Technical data for UV coating

TESTS	RESULTS
Scratch Resistance (3.7 ANSI/NEMA LD3)	200g – No visible scratch
Scratch Resistance (ASTM D3363)	2-4 H Hardness (Typical)
Abrasion Resistance 1000 Cycles (ASTM D4060 CS-10 1000g Load)	Loss ~ 20mg / 500 cycles
Impact Resistance (6 NEMA LD3 Ball Drop 30")	Pass – No cracking or loss of adhesion
Adhesion (ASTM D3359 Method B)	5B
* KCMA Shrinkage and Heat Resistance Test	No noticeable change (Typical)
* KCMA Hot and Cold Check Resistance Test	No noticeable change (Typical)
* KCMA Chemical Resistance Test	No noticeable change (Typical)
* KCMA Detergent and Water Test	No change or damage
Xenon ARC (AATCC Light Resistance -Hours)	<ul style="list-style-type: none"> <li>• 40 hours: no change</li> <li>• 80 hours: no change</li> <li>• 120 hours: little to no change</li> </ul>
<b>Direct Screw Withdrawal Test – ASTM D1037 part 61</b>	
Edge Pull	Negligible effect
Face Pull	Negligible effect
<b>Static Bending – ASTM D1037 part 11</b> (depending on the type of board and thickness)	Negligible effect to less than 5% loss
<b>Textured Finishes</b> ** Unlimited Textures Reference	Mold-Tech Texture MT-11010 to MT-11060
<b>Texture Finish Gloss Level (ASTM D523)</b>	From 3 to 25 units on a 60° Gloss Meter
<b>Smooth Finishes – Flow Characteristics</b> *** PCI Orange Peel Index	Between 6 to 8 on a scale of 1 to 10 (10 being a mirror finish and 1 being a heavy orange peel appearance)
<b>Smooth Finish Gloss Level (ASTM D523)</b>	From 30 to 90 units on a 60° Gloss Meter

\* KCMA: Kitchen Cabinet Makers Associations  
 \*\* Unlimited Textures: A Division of Mold-Tech  
 \*\*\* PCI: Powder Coating Institute

The above tests were performed by external and independent laboratories.

