



PT-1512

Customer: Decoboard
City, State:
Originator: Neil Tinoco

Process Date: 6/4/2009
Date Received: 6/4/2009
Date Completed: 6/15/2009

Description: see below

1) Particle Board with combination of UV sealer, WB Basecoat, printing ink and UV Topcoat

ASTM D3359 Method A – X Scribe Tape Adhesion	
Panel	Classification
1	5A

X Scribe Adhesion Scale – Method A

- 5A No peeling or removal.
- 4A Trace peeling or removal along incisions or at their intersection
- 3A Jagged removal along incisions up to 1/16 in. (1.6 mm) on either side
- 2A Jagged removal along most of incisions up to 1/8 in. (3.2 mm) on either side.
- 1A Removal from most of the area of the X under the tape
- 0A Removal beyond the area of the X

ASTM D3359 Method B – Cross Hatch Tape	
Panel	Classification
1	4B

Cross Hatch Adhesion Scale - Method B

- 5B 0% Loss
- 4B < 5% Loss
- 3B 5-15% Loss
- 2B 15-35% Loss
- 1B 35-65% Loss
- 0B > 65% Loss

Taber Abraser ASTM D4060-95 CS-17 500 grams								
	Weight Before abrasion miligrams	Weight after abrasion miligrams	Weight Loss in mg	Number of cycles of abrasion recorded	Wear Index	Number of cycles required to wear through to substrate	Thickness of coating in mils	Wear Cycles Per Mil
Panel 1A	143813	143775	38	777	49	777	1.63	477
Panel 1B	141308	141260	48	566	85	566	1.63	347
Average:					67		Average:	412

Taber Abraser ASTM D4060-95 CS-17 1000 grams								
	Weight Before abrasion miligrams	Weight after abrasion miligrams	Weight Loss in mg	Number of cycles of abrasion recorded	Wear Index	Number of cycles required to wear through to substrate	Thickness of coating in mils	Wear Cycles Per Mil
Panel 1A	140410	140377	33	314	105	314	1.63	193
Panel 2A	138566	138535	31	301	103	301	1.63	185
Average:					104		Average:	189

Average Film Thickness	
Panel	
1	1.63 mils

Pencil Hardness	
Panel	Passed
1	H

Belmar Resistance	
Panel	Passed
1	7 Kg

Solvent Rubs (MEK 200 Rubs)	
Panel	
1	Passed

Hoffman Scratch	
Panel	Passed
1	200 g

Water Spot		
Panel	X-Scribe	Normal
1	No Effect	No Effect

ANS/KCMA Chemical Resistance	
Sample Description	Door 1
Vinegar	No Effect
Lemon Juice	No Effect
Orange Juice	No Effect
Grape Juice	No Effect
Catsup	No Effect
Hot Coffee	No Effect
Olive Oil	No Effect
Vodka	No Effect
0.5% Detergent Soln.	No Effect
Mustard (1 Hour)	Yellow Stain
Mustard Recovery (14 days)	Recovered

6/11/2009
6/15/2009

ANS/KCMA Hot and Cold Check Resistance – 5 Cycles			
Door	Discoloration	Blistering	Checking
1	No Effect	No Effect	No Effect

ANS/KCMA Shrinkage and Heat Resistance (Humidity) – 24 hours				
Door	Description	Discoloration	Blistering	Checking
1	Edge	No Effect	No Effect	No Effect

**PT-1512
Decoboard
Film Thickness
Panel I**



Average Film Thickness = 1.63 mils

5X