



## Fluorocarbon Paints Technical Specification

Test item	Performance Requirement (AAMA2605-05)	BeckyFlour Test Results
Gloss ASTM D523@ 60° C	Low Normal High	Gloss Range (25-35 unit)
Pencil hardness ASTM D3363	>=F	Pass
<b>Grinding Test (1mm)</b>		
1) Dry film (AAMA 2605-05 7.4.1.1)	Adhesive attraction 100%	Excellent, no change
2) Wet film (AAMA 2605-05 7.4.1.2)	Adhesive attraction 100%	Excellent, no change
3) Pochieren (AAMA 2605-05 7.4.1.3)	Adhesive attraction 100%	Excellent, no change
Backside Impact film (AAMA 2605-05 7.5.1)	No crack, Adhesive attraction 100% @± 0.3mm	Excellent, no change
Abrasion Resistance Test (AAMA D968)	40 kgs/25µ m	
<b>Chemical Resistance</b>		
1) Hydrochloric Acid film (AAMA 2605-05 7.7.1)	No bubble, no change by eye	Pass or Surpass
2) Cement film (AAMA 2605-05 7.7.2)	No change	Pass or Surpass
3) Nitric Acid (AAMA 2605-05 7.7.3)	$\Delta E < 5$	Pass or Surpass
4) Detergent (AAMA 2605-05 7.7.4)	No change	Pass or Surpass
5) Window Detergent (AAMA 2605-05 7.7.5)	No change	Pass or Surpass
<b>Corrosion Resistance</b>		
1) Moisture test. 400hrs x 100% RH x 38 °C (ASTM D2247 or ASTM D4585)	Hardly bubble, see No.8 (ASTM D714)	Pass or Surpass
2) Salt spray test, 400hrs x 5%NaCl (ASTM B117)	Average side corrosion 7 grade, Bubble 8 Grade (ASTM D1654)	Pass or Surpass
<b>Weather resistance (Florida, 10 years)</b>		
1) Aberration (ASTM D2244)	$\Delta E \leq 5$	Pass or Surpass
2) Pulverization (ASTM D4214)	$\leq 8$ Grade	Pass or Surpass
3) Gloss retention rate (ASTM D523)	$\geq 50\%$	Pass or Surpass
4) Corrosion (ASTM B244)	Paint Film drop < 10%	Pass or Surpass