

# Q-COAT UC™ Urethane Coating

## Physical Characteristics / ASTM Information



Physical characteristics listed are average. Properties listed are for a coating system of **QPRIM MP2070™** Advanced Epoxy Primer (1.5 mils DFT) and **Q-COAT UC™** High Gloss Urethane Topcoat (1.5 mils DFT) unless otherwise noted. Total dry film thickness 3.0 mils DFT. For other system recommendations, please contact QHF.

Description	Results	Test Method
Volume Solids	55% - 65%	ASTM D2369
Gloss Level	>93 measured @ 60°angle	ASTM D523
Theoretical Coverage P/GL	962 ft <sup>2</sup> @ 1 mil DFT, 481 ft <sup>2</sup> @ 2 mil DFT	PCRC
Dry Time (Air Dry)	Dry to Handle – 2 to 4 hours at 77°F/25°C*	Quartz Timer
Vinyl Application (Air Dry)	24 – 72 hours at 77°F/25°C*	Quartz Timer
Dry Time (Accelerated)	Dry to Handle - <1 hour at 77°F/25°C*	Quartz Timer
Weight Per Gallon WPG	8.15 +/- .3 (Depending On Color)	ASTM D1475
Pencil Hardness	2H - Excellent Mar/Scratch Resistance	ASTM D3363
QUV	3+ Years - Excellent Gloss Retention	ASTM G7
Humidity Resistance	Excellent - No Blisters, No Effect	ASTM D2247
Dry Film Flame Retardancy	Flame Retardant – Pass	ASTM E162
Water Immersion	30+ Days - No Blisters, No Effect	ASTM D870
MEK Double Rubs	200 + Double Rubs - No Effect	ASTM D4752
Flexibility / Mandrel Bend	“0” T Bend – No Effect, No Cracking**	ASTM D522
Impact Resistance	160 Inch Pounds - Pass, No Effect	ASTM D2794

\* use of accelerator will shorten “dry to handle” and “cure times”.

\*\* Tested with QPRIM MP2050 / QPRIM MS2052 Primer and Q-Coat UC High Gloss Urethane Topcoat

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