

# Nano-Clear Industrial Coating

## Test Results Summary

General Category	Specific Application	Notes
Recommended Dry Film Thickness	NA	2-3 mils
Cross-link Density (XLD)	DMA (DMTA)	2.17 Kmoles/cc
Pencil Hardness	ASTM D3363	4H 7H with the matting additive
Impact Strength	ASTM D2794	150 in-lbs. direct 160 in-lbs. reverse
Flexibility	ASTM D522	Pass ¼" mandrel
Adhesion	ASTM D3359 Method B	5B/0% removed
Water Immersion	ISO 2812-3	Pass after 240 hrs. @ 50C/122F
Gloss Retention (Xenon WOM)	SAE J1960	100% retention after 4,000 hrs.
Gloss Retention (QUV)	ASTM D4587 (UVA bulb)	100% retention after 1,500 hrs.
Color Deviation ( $\Delta E$ )	SAE J1960	0.63 after 4,000 hrs. Minimum detectible difference is approximately 1 $\Delta E$
MEK Resistance	ASTM D4752	Pass after 1500 double rubs
Salt Fog	ASTM B117	Pass after 4193 hrs.
Abrasion Resistance	ASTM D4060	8.4 mg (C17, 1 kg, 1000 cycles)