



TOUGH AND TINTABLE PROTECTIVE COATING

CERTIFIED FOR OVER 101 APPLICATIONS



AUTOMOTIVE



RECREATIONAL



HOME



INDUSTRIAL



MARINE



AGRICULTURAL



COMMERCIAL



THEME PARKS

...and so much more!

RAPTOR CERTIFICATIONS & TEST RESULTS

RAPTOR has been tested in accordance with the following test methods.

ANTI-SLIP	Accredited BS 7976-2 and ASTM E303-93 (With RAPTOR Traction)
FLAMMABILITY	ISO 3795, BS AU 169A, FMVSS 302 0.0 mm/min SE (requirement in FMVSS 302 ≤100 mm/min)
WATERSOAK	ASTM D870-15 (100°F for 30-days)
EPOXY SALT SPRAY	ASTM B 117-16 (RAPTOR Anti-Corrosive Epoxy Primer test completed at >1000 hours according to ASTM protocols (B117) at an independent laboratory)
CHIP RESISTANCE	ASTM D3170/D3170M-14 (Physical Count) 8B @ 73.4°F (23°C) with Raptor Epoxy Primer
IMPACT RESISTANCE	ASTM D2794-93(2010) (7-days 10/10, 30-days 9/10, 90 days 9/10)
TABER ABRASION RESISTANCE	ASTM D4060-14 (CS-10 1000g wheel, minimum of 8000 cycles to breakthrough)
ADHESION	ASTM D3359-09e2 Method A (5A over Raptor Epoxy Primer)
PENCIL HARDNESS	ASTM D3363-05(2011)e2 (Gouge hardness 6H)
DIELECTRIC BREAK-DOWN	ASTM D 149 (Breakdown voltage:-1.5kV, Breakdown strength:-4.8 kV/mm)
CHEMICAL RESISTANCE	ASTM D1308 (Diesel, Gasoline, Hydraulic Oil, Xylene, 10% NaOH, Water, 50% Ethylene Glycol, Motor Oil)

RAPTOR Specification

MIX RATIO	3:1
TINTABLE MIX	By Volume: 5-10% of 2K solvent based toners
RAPTOR COLOR	1 color pouch per Raptor bottle
REDUCER	Not required. Up to 20% standard reducer optional
VOC	See Technical Datasheet. National Rule, 2.6, and 1.7 VOC compliant formulations available
COMPATIBILITY	Properly prepared steel, aluminum, wood, original paint, epoxy primer, rigid plastic, E-Coat, polyester fillers, GRP, SMC, fiberglass and concrete.
RAPTOR APPLICATION GUNS	U-POL APPLICATION GUN (UP0726): 40-60 PSI, 5-8 CFM. No reduction required. U-POL Professional Application Gun (UP4880): 40-60 PSI 5-6 CFM. ¼" NPT air inlet. 1 US Quart RAPTOR bottles are European Thread
GUN NOZZLE	HVLP 1.7-2.5mm, 8-12 CFM. Optional reduction up to 20%
COATS	2 to 3 coats maximum. Typical 2 coats application: 12+ MILs
FLASH OFF TIME	60 minutes Rollable or RAPTOR Application Gun, 35 minutes HVLP
CURE TIMES	1 hour touch, 12 to 72 hours in light duty service, depending on coating thickness
POT LIFE	60 minutes @ 68°F
COVERAGE	The 1 US Gallon Kit will cover an average 8' truck bed. Two 1 US Gallon Kits will coat an average Jeep body using HVLP gun
TEMPERATURE RESISTANCE	From -0.4° F (-18°C) to 212° F (100°C)
QUV	RLB 60° Gloss: Initial 10.7, after 5000 Hours 10.2