

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Basecoat Vulkem 350NF	Interm. Coat Vulkem 346	Topcoat Vulkem 346
Solids (by weight)	ASTM D1353	90-98%	72%	72%
Drying Time @ 75° F (24° C), 50% RH	ASTM D1640	25 mil film 8-12 hr	15 mil film 6-12 hr	10-12 mil film 6-12 hr*
Flash Point	Set-A-Flash	>160° F	85° F	85° F
Hardness (Shore A)	ASTM D2240	45-60	85-95	85-95
Tensile Strength	ASTM D412 @ 75° F	220-460 psi	3205 psi	3205 psi
Elongation	ASTM D412	600-700%	120%	120%
Adhesion (Peel Strength)	ASTM D903	Unprimed Concrete 20-30 pli 100% cohesive failure	Vulkem 350NF Basecoat 100% cohesive failure	Vulkem 346 Interm. Coat 100% cohesive failure
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	N/A	50 mgms
Permeance	ASTM E96(B)	5-10 perms	3 perms	3 perms
Weathering Resistance	ASTM D822 Weatherometer 350 hours	N/A	N/A	No effect
Salt Spray	ASTM B117	N/A	N/A	No effect
Accelerated Aging	ASTM D573	No loss of elongation or tensile strength	No loss of elongation or tensile strength	No loss of elongation or tensile strength
Adhesion (Pull-off)	ASTM D4541	200-400 psi	N/A	N/A

Property	ASTM C957 Requirement	Typical Value
Chemical Resistance (Tensile Retention)	Greater than	
Water	70%	98%
Ethylene Glycol (Antifreeze)	70%	97%
Mineral Spirits	45%	85%
Motor Oil	Not included as part of ASTM C957	92%
Hydraulic Brake Fluid	Not included	84%
Deicing Chemicals	Not included	99%
7% Detergent Solution	Not included	100%
Fire Rating	UL Rating – Class A	

N/A = Not applicable to component, data is applicable to System or Topcoat only.

*A minimum of 72 hr is required after cure before allowing vehicular traffic.



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