



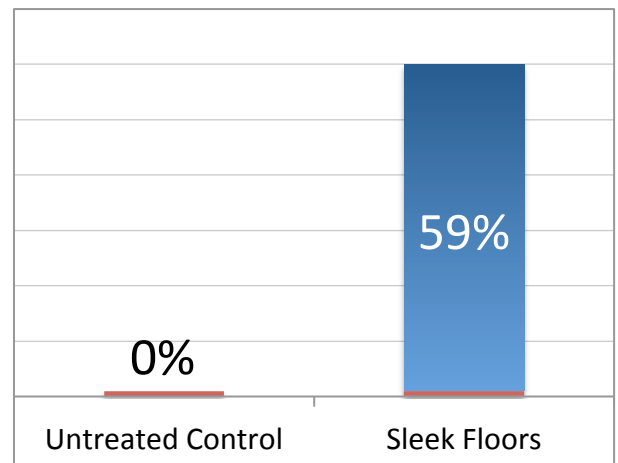
Abrasion Resistance – Taber Abraser

Sleek Floors vs. Untreated Control

Test	Result
Taber Abrasion Testing H22 Wheel 1000 gram load using ATSM C1353 modified for concrete.	% Improvement vs. Control.

Notes:

This test establishes abrasion resistance of concrete to simulated foot traffic using grinding wheels under specified time. The results show Sleek Floors concrete reduced abrasion loss by 59% compared to untreated concrete. Other concrete hardeners had less reduction of abrasion.

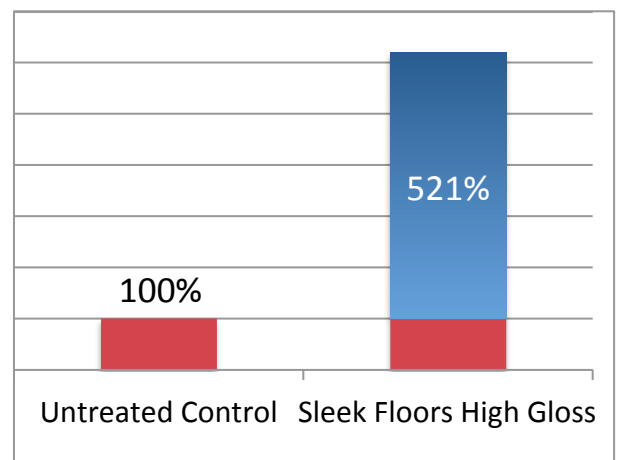


Sleek Floors High Gloss vs. Untreated Control

Test	Result
Taber Abrasion Testing H22 Wheel 1000 gram load.	% Improvement vs. Control.

Notes:

Graph shows more than 500 percent improvement in abrasion resistance over untreated, unpolished control.





Abrasion Resistance – Micro Abraser

Sleek Floors vs. Untreated Control

Test	Result	Improvement	Notes
Micro Abrasion Resistance Testing ATSM C418 Abrasion Resistance of Concrete	Average Weight Loss		
Standard Finish Concrete Treated with Sleek Floors Untreated Control	0.296 0.407	27%	This test evaluates the relative resistance of a treated concrete surface to air-driven sand compared to untreated concrete. Results show that the Sleek Floors treated concrete had 27% less abrasion resistance loss.

Water Vapor Transmission (Breathability)

Sleek Floors vs. Untreated Control

Test	Result	Notes
ASTM E96 Water Vapor Transmission of Materials	WVT Retained	
Standard Finish Concrete Treated with Sleek Floors	100%	This test determines the rate of water vapor passage through a material or applied film on a substrate under controlled temperature and humidity. The result show the Sleek Floors concrete allows the same rate of water vapor transmission as the untreated.

Slip Resistance

ASTM C1028 – Determining the Static Coefficient of Friction

Sleek Floors Treated

Finish	Dry	Wet
Steel Troweled	0.720	0.664
Honed (up to 100 grid)	0.759	0.654
Polished (up to 800 grid)	0.865	0.645
Highly Polished (up to 800 grid)	0.919	0.766

High Gloss Treated

Dry	Wet
0.841	0.600
0.836	0.601
0.822	0.606
0.841	0.695

Notes:

This test determines the static coefficient of friction of flooring surfaces under wet and dry conditions. The results show that the tested surfaces exceed OSHA and ADA recommendations for slip resistance.



Adhesion

Sleek Floors vs. Untreated Control

Test	Result	
ASTM D4541 Pull-Off of Coatings Using Type II Tester	Pounds per Square Inch	Notes
Steel Troweled Concrete		This test evaluates pull-of strength (adhesion) of a coating applied to a hard surface like concrete. The test results show that concrete treated with Sleek Floors exhibited greater coatings adhesion than untreated.
Treated with Sleek Floors	483	
Untreated Control	400	

Stain Resistance

Test Methods – ASTM D 1308

Acids	Effect 15 min	Effect 1 Hour	Bases	Effect 15 min	Effect 1 Hour
10% Citric	G	G	5% Ammonium Hydroxide	E	E
10% Acetic	G	F	30% Ammonium Hydroxide	E	E
10% Oxalic	G	G	10% Potassium Hydroxide	E	E
10% Hydrochloric	F	G	45% Potassium Hydroxide	G	G
35% Hydrochloric	P	P	10% Sodium Hydroxide	G	G
10% Phosphoric	G	F	50% Sodium Hydroxide	E	G
70% Phosphoric	F	F	Solvents		
10% Sulfuric	G	F	Acetone	E	G
50% Sulfuric	G	G	Mineral Spirits	E	E
Alcohols			Xylene	E	E
Benzyl Alcohol	G	G	MEK	E	E
Ethyl Alcohol	E	G	Hydraulic Fluids/Oils/Fuels		
Isopropil Alcohol	G	E	Gasoline	E	E
Methyl Alcohol	E	E	Brake Fluid	G	G
Ethylene Glycol	E	E	Motor Oil	G	G
Salts			ATF	G	G
Ammonium Chloride	G	G	Skydrol	G	G
Calcium Chloride	E	E	Other Chemicals		
Sodium Bicarbonate	E	E	Cola	G	G
Sodium Chloride	E	E	Mustard	G	F
Sodium Carbonate	E	G	Ketchup	G	G
Other Chemicals			Red Wine	G	G
Bleach	E	E	Balsamic Vinegar	G	G
Tap Water	E	G	Vegetable Oil	G	G
Laudry Detergent	E	E	Lemon Juice	G	F

E= Excellent (No Adverse Effects) G= Good (Limited Adverse Effects)

F= Fair (Moderate Adverse Effects) P= Poor (Unsatisfactory)

The treatment was applied and allowed to cure for 7 days prior to testing. The soiling agents were allowed to dwell on the treated and untreated substrates for times of 1 hour and 15 minutes. Evaluation consisted of a vision examination of the treated areas to determine the effect the reagent had on a sample using the following scale. Test results were obtained under laboratory conditions. Reasonable variations can be expected due to environmental conditions, etc.