



SLIP RESISTANCE

NATURALPAVE® XL RESIN PAVEMENT™

ASTM E 303
ASTM C 1028-07

“The NaturalPAVE XL Resin Pavement surfaces have slip resistance in the same range as conventional broomed concrete and asphalt pavement, both of which are regarded as safe in regards to slip resistance.”

Pendulum Test (E 303)

The test method is based on American Society for Testing and Materials Standard E 303. The pendulum device is a national standard for pedestrian slip resistance testing in at least 49 nations on four continents, which makes it by far the most-accepted method worldwide. Decades of extensive research into slip and fall accidents using the pendulum test method in the United Kingdom, Australia and New Zealand has led to the present safety standards, which are endorsed by the CTIOA.

According to the results of the Pendulum Test (E 303) “The NaturalPAVE XL Resin Pavement surfaces have slip resistance in the same range as conventional broomed concrete and asphalt pavement, both of which are regarded as safe in regards to slip resistance.”



McCoppin Square San Francisco

PTV Slip potential **0–24 High** **25-35 Moderate** **36 and higher Low**

Product	Measurand	Test Result	Slip Potential
NaturalPAVE XL Resin Pavement	Four S hard rubber, dry	70	Low
	Four S hard rubber, wet	62	Low
Hot Mix Asphalt	Four S hard rubber, wet	60	Low



Buena Vista Park San Francisco

PTV Slip potential 0-24 High 25-35 Moderate 36 and higher Low

	Measurand	Test Result	Slip Potential
NaturalPAVE XL Resin Pavement	Four S hard rubber, dry	63	Low
	Four S hard rubber, wet	52	Low
Broomed Concrete	Four S hard rubber, dry	67	Low
	Four S hard rubber, wet	60	Low



McMahan House California State University San Marcos

PTV Slip potential 0-24 High 25-35 Moderate 36 and higher Low

Product	Measurand	Test Result	Slip Potential
NaturalPAVE XL Resin Pavement	Four S hard rubber, dry	64	Low
	Four S hard rubber, wet	57	Low



Static Coefficient of Friction test (C 1028)

In the C 1028-07 static coefficient of friction test, the operator pulls on a 50 pound weight that is placed on top of a slider assembly that has Neolite rubber contacting the floor. The operator attempts to pull smoothly on a dynamometer until the slider assembly and weight go into motion. The amount of pounds force recorded on the dynamometer is then recorded.



Product & Project	Measurand	Test Result
NaturalPAVE XL Resin Pavement Buena Vista Park, San Francisco	Four S hard rubber, dry	.85
	Four S hard rubber, wet	.83
NaturalPAVE XL Resin Pavement McCoppin Square, San Francisco	Four S hard rubber, dry	.98
	Four S hard rubber, wet	.88
Broomed Concrete Buena Vista Park, San Francisco	Four S hard rubber, dry	1.01
	Four S hard rubber, wet	.99
Hot Mix Asphalt McCoppin Square, San Francisco	Four S hard rubber, dry	.88
	Four S hard rubber, wet	.87

For the full reports by Sotter Engineering Corporation, Consultants, please visit the NaturalPAVE XL Resin Pavement Documents Library at www.sspco.com



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Beware of Imitations

Many cold applied products are sold for binding of aggregate under the titles of stabilized aggregate or stabilized decomposed granite (dg). Other products recently introduced now describe themselves as resin pavements, or mimic the NaturalPAVE® registered trademark and describe themselves as natural pavement or natural resin pavement. Having limited bonding strength, these erodible mixtures are marketed without providing pavement performance testing information. Not surprisingly, the end-user is often disappointed by the rapid deterioration of their installation. Specifiers, installation contractors, and project owners should request and review pavement material testing information prior to selecting products for pavement installations.

NaturalPAVE® XL Resin Pavement™, similar to hot mix asphalt, is a surface course pavement material that is reliant on the workmanship of the pavement contractor during placement operations and on the strength and stability of the base course and underlying layers upon which it is constructed. SSPCo is a supplier of pavement materials only and not a contractor, engineer, installer, or construction inspector.

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