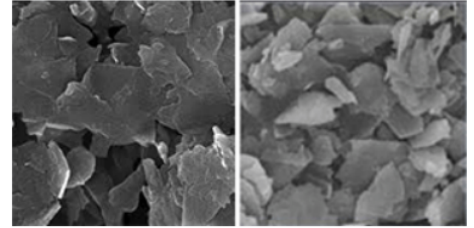


Friction Reduction Measurements

	Bare, Untreated Substrate	Coated Substrate
Metal (galvanized)	74 BPN	<ul style="list-style-type: none"> 20 BPN for dark variant, a 73% reduction 27 BPN for light variant, a 64% reduction
CMU Block (Cementous)	81 BPN	<ul style="list-style-type: none"> 29 BPN for dark variant, a 64% reduction 31 BPN for light variant, a 62% reduction

The paint developed by PRP has a lower BPN than Teflon™. Teflon™ measures 34 BPN, but metal coated with this dark variant paint has a BPN as low as 20 BPN.



Graphite (left, gray) and Talc (right, white)

Environmental and Quality Testing

The table below lists the environmental testing conducted by PRP during the development of this paint formulation.

	Test Standard	Details
Panels Left Outdoors	N/A	<ul style="list-style-type: none"> 0-203+ days of exposure
Blowing Rain	MIL-STD-810 Method 506.5	<ul style="list-style-type: none"> 40 mph (64 kph) rain at 45 degrees for 4 hours
Blowing Wind	Modified MIL-STD-810 Method 506.5	<ul style="list-style-type: none"> 40 mph (64 kph) wind at 0 degrees for 4 hours
Blowing Sand	MIL-STD-810 Method 510.5	<ul style="list-style-type: none"> 40 mph (64 kph) wind at 0 degrees for 12 hours
UV Light	ASTM D4587	<ul style="list-style-type: none"> Cyclic exposure of 4 hours at UVA-340nm at 122°F (50°C), then 4 hours condensation exposure
Low Humidity	MIL-STD-810 Method 507.5	<ul style="list-style-type: none"> <10% Relative Humidity (RH), Relative/Room Temperature (RT) at 72°F (22°C), for 45 days
High Humidity	MIL-STD-810 Method 507.5	<ul style="list-style-type: none"> 95% Relative Humidity (RH), 120°F (49°C), for 45 days
Low Temperature	MIL-STD-810 Method 502.5	<ul style="list-style-type: none"> 0°F (-18°C) for 45 days
High Temperature	MIL-STD-810 Method 501.5	<ul style="list-style-type: none"> 120°F (49°C) for 45 days
Thermal Cycling	ASTM D6944	<ul style="list-style-type: none"> 30 cycles of 0-120°F (-18-49°C)
Shelf Life, Freeze/Thaw	ASTM D2243	<ul style="list-style-type: none"> Thermal cycling of paint in can, 5 cycles of 0-75°F (-18-24°C)
Shelf Life, RT/Hot	N/A	<ul style="list-style-type: none"> Can sitting at room temperature and 90°F (32.2°C) for 6 months
Flammability	ASTM D1321	<ul style="list-style-type: none"> Up to 65 kW/m
Volatile Organic Content (VOC)	EPA Method 24	<ul style="list-style-type: none"> <0.5 Lb./Gal(60 Gm/Lt)

During environmental testing it was discovered that the paint actually gets more slippery with time. The paint is also non-corrosive, non-toxic, and non-staining to passersby.