

PG-SL08 Slow Cure Spray Polyurea Coating

Engineering Data

Physical Properties

Shelf life	1-year
Re-coat time	1- hour
Foot traffic	1-hour
Wheel traffic	2-hours
Tack free @ 72°F	5-8-minutes
Pot Life @ 72°F	none
Mixing ratio A-B	1-1
Total Solid Content	100 %
Elongation	550 %
Tensile (psi)	3000
Color stability	none (aromatic)
Tear	520 lbs/in
Hardness	90-95A
Permeability	0.067 WVT
V.O.C Content	0%
Burn Rate ASTM D 635	1.52 cm/min (typical)

Set Times

Initial set times	45-60 seconds
Tack free	5-8 minutes
Return to service	1-2 hours

Surface preparation concrete

The concrete surface must be clean, sound, dry, and free of oils, grease and other bond inhibiting contamination. Failure to properly prepare the surface could result in the product delaminating from the surface. All contamination, form-release agents, efflorescence, curing compounds, shall be removed. Mechanical methods such as shot blasting, sand blasting, grinding, power washing or hydro blasting is recommended to produce a clean surface with good mechanical profile. Minimum profile range must be ICRI #4 to insure good mechanical bonding. Over coating could result in poor adhesion and delaminating due to incompatibility, poor mechanical adhesion and exceeding recommended recoat windows. The specifying engineer or contractor must recognize that there is some chance of catastrophic or premature failure of an overcoat system. Please refer to SSPC TU3 for additional information. The concrete PH level should be between 7-12. Steel preparation generally requires an SP 10.

Coverage Rates

(estimate) Subject to substrate profile

50 Mils =	32 square feet per gallon
80 Mils =	20 square feet per gallon
125 Mils =	13 square feet per gallon

Food Contact

USDA / FDA APPROVAL acceptable for use in floors subject to USDA / FDA inspections and regulations. USDA prohibits the use of any chemicals where existing food or food packaging can become contaminated.

Product Description

SL08 is a two component 1-1 slow cure spray Polyurea coating engineered for marine and other water proofing applications . **SL08** is a cross linked formulation to provide increased strength and durability. **SL08** has a longer gel and tack free time providing better self leveling capability and improved adhesion to the substrate.

Application

SL08 is applied using a high pressure plural component spray system with with minimum capability of 2000 psi pressure at the spray tip or can be applied using a heated low pressure system.

Available standard colors: Black, Tan, Brown, Gray

Precautions

Moisture content in the concrete (MVE) to be less than 3-pounds per 1000 sq feet for 24-hour period. Calcium Chloride test ASTM F1869-98 recommended. Exterior concrete exposed to the elements is susceptible to greater contamination and should be evaluated thoroughly prior to any application. Colors will fade due to UV instability, black and earth tones recommended. Normal weathering will dull the finish of the product over time.

Abrasion Resistance ASTM 4060-90

Taber Abrader CS-18 Wheel .094 /1000gm
500 cycles

Chemical Resistance ASTM D543 (24 hour full emersion)

Rating:

E= No Effect
G= Limited Effect
F= Moderate Effect
P= Unsatisfactory

Sulfuric Acid 10%	E
Sulfuric Acid 30%	F
Citric acid 1%	E
Isopropyl Alcohol 99%	P
Aviation Fuel	G
Diesel Fuel	E
Gasoline	E
Ammonia	E
Sodium Hydroxide	E
Sodium Hypo Chlorite 5%	E
Lactic Acid	F
Tire	E
Brake Fluid	F
Sulfuric Acid (Battery, Acid)	G

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