



specguard

SL08 MARINE GRADE POLYUREA COATING SYSTEM

TECHNICAL 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-min
Pot Life @ 72°F	none
Mixing ratio A-B	1-1
Total Solid Content	100 %
Elongation (ASTM D412)	375 %
Tensile (ASTM D412) (psi)	2600
Color stability (aromatic)	none
Flex-Life (ASTM D 1052) (cycles)	200,000
Taber Abrader (ASTM D 4060) 500 cycles	.094 / 1000
Tear (ASTM D 624)	520 lbs/in
Hardness (ASTM D 2240)	80-90A
Permeability (ASTM E 96)	0.067 WVT
V.O.C Content	0%
Burn Rate (typical) (ASTM D 635)	1.52 cm/min

SET TIMES

Initial set times	45-60 seconds
Tack free	8-10 minutes
Return to service	1-2 hours

COVERAGE RATES: 1-gallon mil thickness @ 100 square feet = 16 mils dry.

ENGINEERED FOR THE MARINE ENVIRONMENT

SL08 is a slow cure Polytetramethylene ether glycol (PTMEG) based Polyurea system suitable for continuous emersion in demanding marine environments. PTMEG provides greater hydrolytic stability and is generally required in US NAVY specifications.

SL08 is used in a variety of marine applications including: Treated timber piling, steel piling, marine fenders, composite buoys, steel buoys, steel camels, timber camels, fenders boards, and corrosion protection. SL08 has a proven history of performance and long term durability in the marine environment. Marine grade SL08 is a slow-cure 100% solids spray Polyurea system that can also be used in a variety of non marine applications for increased durability, that includes, secondary containment, pond liner, floor systems and many more. SL08 is a self-leveling product providing a smooth surface with a longer gel time to promote better adhesion compared standard Polyurea systems.

APPLICATION: SL08 is applied using a high pressure plural component spray system with minimum capability of 2000 psi pressure at the spray tip or can be applied using a heated low pressure system for small applications. Available standard colors: Black, Tan, Brown, Gray



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SPECGUARD SYSTEMS

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TECHNICAL DATA

PHYSICAL PROPERTIES

SCP20 POLYUREA COATING

Non-compliant SCAQMD areas	250 gm/liter (voc)
Pot life @ 75°F (24°C) 50% RH	Single component
Curing (each coat)	2-6 hours
Light foot traffic	8-12 hours
Wheel traffic	2-3 days
Tack free @ 72°F	2-3 hours
Total Solid Content (Volume)	62 %
Elongation ASTM D-412	25%
Tensile (psi)	4800 (clear)
Color stability excellent	100% aliphatic
Tear ASTM D-624	550 lbs/in
Hardness ASTM D-2240	70-75 D
Shelf life	12- months
Viscosity range (SC)	800 cps + or - 200cps

ABRASION RESISTANCE ASTM 4060-90

Taber Abrader CS-17 Wheel 12.0 mg loss 1000gm/ 1000 cycles.

Chemical Resistance ASTM D543

(24 hour full Immersion)

Sulfuric Acid 5%	G	Rating:
Sulfuric Acid 10%	F	E= No Effect
Citric acid 1%	E	G= Limited Effect
Isopropyl Alcohol 99%	F	F= Moderate Effect
Aviation Fuel	G	P= Unsatisfactory
Diesel Fuel	G	
Gasoline	E	
Ammonia	E	
Sodium Hydroxide	E	
Sodium Hypo Chlorite 5%	E	

PRODUCT DESCRIPTION

SCP20 is a single component roll-on, color stable, Polyurea / Polyaspartic coating that can be used as a UV protective topcoat over aromatic Polyurea and Urethane spray systems. SCP20 provides a durable, chemical, impact and abrasion resistant surface and can be used for a variety of marine applications.

APPLICATION

SCP20 can be applied by using a 3/16" low Nap adhesive type roller with a solvent resistant core and can be applied using an airless sprayer and cup sprayer at low pressure.



SURFACE PREPARATION FOR STEEL

For best results; SSPC-SP10 or NACE 2 –Near White Metal Blast Cleaning with a 1-2 mill anchor profile. Surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Compatible with Zinc and Epoxy primers

SURFACE PREPARATION FOR CONCRETE

Reference SSPC-SP13 / NACE #6, ASTM D 4259, ASTM D 4260. Surfaces 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.

PRECAUTIONS

Moisture vapor emission in the concrete (MVE) to be less than 3-pounds per 1000 sq. ft. for 24-hour period. Calcium Chloride test ASTM F1869-98 recommended. Should not be applied in direct sunlight or on elevated surface temperatures. Clear coating may turn opaque or cloudy in exterior application due to moisture penetration.

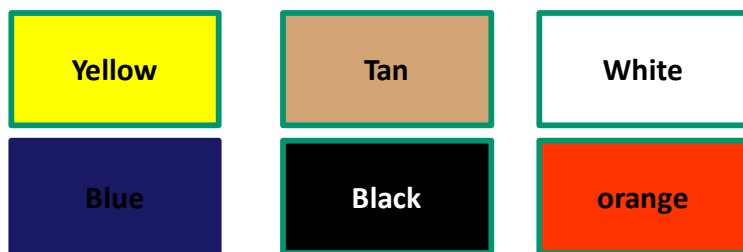
CURING

At 75°F (24°C) and 50% relative humidity allow to cure for 8-12 hour prior to permitting light foot traffic and 24-36 hours before permitting heavy traffic. Allow 24-48 hour of curing prior to permitting wheel traffic and parking on the surface.

PACKAGING

Quart cans, 1-gallon cans, 5-gallon pails
Product is sold CLEAR. Standard colors packs available
Shelf life 1-year from the date of manufacturing.

SCP20 STANDARD COLORS



COVERAGE RATES (Per Gallon) Dry

Subject to substrate condition (estimate)

4 Mils = 250 sqft. / 8 Mils = 125 sqft. / 10 Mils = 100 sqft.

GENERAL PIGMENT MIXING

SCP20 Marine grade is pigmented by gradually adding 1 quart (2 lbs.) into 1 gallon of SCP20 clear. Mix by hand or low speed mechanical mixer until a homogeneous mix is attained. Caution: Mixing at high speed can induce air into the system.

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SPECGUARD COATING SYSTEMS



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OCEAN GUARD NON-SLIP COATING

PHYSICAL CHARACTERISTICS:

Color Dark Gray

Finish / sheen Matt

Curing agent Standard cure (LowTemp cure)

Volume solids 78% +/- 2

Mix ratio (parts base to part curing agent by volume)

Typical film thickness ¼ inch

Theo coverage 50 sqft / gal at 25 mils DFT

Flash point > 100 Degrees F for both base and cure

Induction time 15 Minutes

Pot life: Standard cure 2-3 Hours at 75 Deg F

Temperature / Relative Humidity Limits: 40-95 Degrees F
with relative humidity less than 85%

OGNS2 is a marine grade non-skid deck coating formulated with tough durable epoxy binders specifically designed to give a hard flexible textured surface for metal surfaces, sidewalks, gangways, buoy decks, and wood surfaces. Helps prevent slip and fall accidents before they happen.

MIXING: Two part product must be mixed before application. Power mix each part before mixing together. Always mix full containers to insure proper mix ratio. volume Use within product pot-life profile.

APPLICATION: Apply 32 mils wet to yield 25 mils (1/4 inch DFT) dry film thickness, Roller: Recommend phenolic core roller.

LIMITATIONS:

Performance of the product is dependent upon the local climate and environmental conditions. Temperature of the surface to be coated must be at least 5°F above the dew point. Bring paint to 75°F prior to mixing and application. Store unused paint in a closed pail. Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures. As application, environmental and design factors can vary significantly.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination. High pressure fresh water wash to remove all soluble contaminants and foreign matter. Clean any oil or grease in accordance with SSPC-SP1 Solvent Cleaning.

NEWBUILDS: Blast all shop primers to SSPC-SP10 Near White Blast (Sa2½). Remove weld spatter. Grind weld seams. Round all sharp edges. Blast all damaged areas and weld seams to SSPC-SP10 Near White Blast (Sa2½).

MAJOR REFURBISHMENT: Near White Metal Blast SSPC-SP10 Near White Blast (Sa2½) is recommended. Commercial Blast SSPC-SP6 (Sa2) is acceptable in many areas, consult Blue Water for recommendations. If oxidation has occurred between blasting and painting, re-blasting is required.

MAINTENANCE AND REPAIR: High-pressure water wash using 3000 psi minimum to remove all contamination. Commercial Blast SSPC-SP6 (Sa2) bare steel or damaged areas. Repair any defect revealed after the blast. If oxidation has occurred between blasting and painting, re-blasting is required.



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