



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.

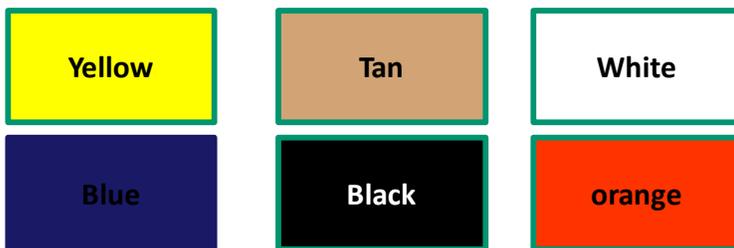
CURING

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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