

# PaliThane

## Sealer

PaliThane Sealer is a two component aliphatic non yellowing polyurethane coating. The high gloss finish offers excellent chemical resistance, abrasion resistance, weathering, and UV stability.

Recommended for use in auto service areas, firehouses, aircraft hangars, laboratories, warehouses, cafeterias, and chemical storage areas. PaliThane Sealer can be used as a finish topcoat for most PalmaLite systems.

### SOLIDS BY WEIGHT

Mixed= 73% (colors); 64% (clear)

### SOLIDS BY VOLUME

Mixed=70% (colors); 60% (clear)

### VOLATILE ORGANIC CONTENT

Less than 335 grams per liter (mixed)

### STANDARD COLORS

Sage, Dark Gray, Light Gray, Sand, Maroon, Slate, Limestone, Earth Stone, Khaki, Cream

### PACKAGING

3 gallon and 15 gallon kits

### PRODUCT STORAGE

Materials to be stored between 60 and 90 degrees F

### SHELF LIFE

12 months in unopened containers

### FINISH CHARACTERISTICS

high-gloss (>70 at 60 degrees @ glossmeter)

### MIX RATIO

2 parts A to 1 part B by volume

### COVERAGE

325 to 500 square feet per gallon

### LIMITATIONS

Apply when temperatures are between 45F-90F Relative humidity below 85%

### SURFACE PREPARATION

Diamond grinding of new or existing concrete is required. PaliThane Sealer can be applied as a topcoat for most PalmaLite systems.

### MIXING

2 to 1 mix ratio. Combine two parts of A with one part of B then mix well with a slow speed drill for minimum 60 seconds. Avoid whipping air into the mixed material.

### APPLICATION

Material can be applied by squeegee, roller, or brush. It is best to maintain a wet edge to avoid overlap marks. Direct sunlight or high temperatures may cause bubbling and visible roller marks. Maintain recommended ranges for both temperatures and humidity levels during the application and curing process. Applications with relative humidity higher than 90% may result in improper cure.

### RECOAT

See cure schedule

### CLEANUP

Use ketone solvents

### AVAILABILITY

Throughout the United States, Canada, and abroad

### MAINTENANCE

Clean floor daily by sweeping, mopping, or mechanical scrubbing with a soft nylon brush as needed. Use clean water and ph neutral detergent at all times. Contact Palma Inc. for detailed information.

### TECHNICAL SERVICES

Contact Palma Inc. for assistance, literature, detailed specifications, preparation, application instructions and samples.

### QUALITY CONTROL

Palma offers the highest level of quality control. Palma is both the formulator and applicator of all Palma products. All Palma applicators are direct employees of Palma, not local dealers.

### WARRANTY

Palma Inc. renders a joint one year formulator/applicator warranty against faulty workmanship or materials. .

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### PHYSICAL PROPERTIES

Viscosity	200-'600cps (typical)
Adhesion	350 psi @ elcometer (concrete failure, no delamination)
Abrasion Resistance	Tabar abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 22.0 mg loss
Impact Resistance	Gardner Impact, direct&reverse= 160 in lb (passed)
Hardness	ShoreD=62
Flexibility	No cracks on a 1/8" mandrel

### DOT CLASSIFICATIONS:

- Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"  
Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGID"

### CURE SCHEDULE

potlife - (1 1/2 gallon volume) . . . . .	2-4 hours
tack free (dry to touch) . . . . .	3-5 Hours
recoat or topcoat . . . . .	5-9 Hours
ligh foot traffic . . . . .	14-24 Hours
full cure (heavy traffic) . . . . .	3-5 Days

### APPLICATION TEMPERATURE

45-90 degrees F. with relative humidity below 90%

### CHEMICAL RESISTANCE

REAGENT	RATING
acetic acid 5%	B
xylene	D
mek	A
methyl alcohol	B
gasoline	D
0% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric	D
10% hydrochloric-acid	C
20% nitric acid	B
ethylene glycol	D

Rating key: A -not recommended, B -2 hour term splash spill, C - 8 hour term splash spill, D -72 hour immersion, E -long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.