

# Pali Water Based Urethane

## Sealer

Pali WB Urethane is a two component water based aliphatic polyurethane coating. The low 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. Pali WB urethane can be used as a finish coat for most PalmaLite systems.

### SOLIDS BY WEIGHT

Mixed=60%

### SOLIDS BY VOLUME

Mixed=55%

### VOLATILE ORGANIC CONTENT

35 grams per liter

### COLOR

Clear

### PACKAGING

3 Gallon and 15 gallon kits

### PRODUCT STORAGE

Materials must be stored between 60 and 90 degrees F

### SHELF LIFE

6 months in unopened container

### FINISH CHARACTERISTICS

Low gloss (20 at 60 degrees @ glossmeter)

### MIX RATIO

2 parts A to 1 part B by volume

### COVERAGE

300-500 square feet per gallon

### LIMITATIONS

Apply when temperatures are between 60F-90F  
Relative humidity below 90%

### SURFACE PREPARATION

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

### MIXING

2 to 1 mix ratio. Combine two parts A with one part B by volume 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

Soap and water or water soluble solvent

### 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

Impact Resistance	Gardner Impact, direct & reverse= 160in lb (passed)
Abrasion Resistance	Tabor abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 23.0 mg loss
Adhesion	300 psi @ elcometer ( concrete failure, no delamination)
Viscosity	Mixed= 450-650 cps (typical)
Flexibility	No cracks on a 1/8" mandrel

### DOT CLASSIFICATIONS:

Part A "not regulated"

Part B "not regulated"

### CURE SCHEDULE

potlife - (150 gram mass) .....	Minimum 1 Hour
tack free (dry to touch) .....	7-9 Hours
recoat or topcoat .....	8-12 Hours
ligh foot traffic .....	24 Hours
full cure (heavy traffic) .....	3-5 Days

### APPLICATION TEMPERATURE

60-90 degrees F. with relative humidity below 85%

### CHEMICAL RESISTANCE

REAGENT	RATING
acetic acid	C
xylene	D
mek	B
methyl alcohol	B
gasoline	D
10%sodium hydroxide	E
50% sodium hydroxide	D
10% sulfenic	D
10% hydrochloric acid	D
20% nitric acid	C
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.