

# PaliThane HS

## Sealer

PaliThane HS Sealer is a high solids three 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 areas. PaliThane HS sealer can be used as a finish coat for PalmaLite systems.

### **VOLATILE ORGANIC CONTENT**

Less than 95 grams per liter

### **SOLIDS BY WEIGHT AND VOLUME**

Mixed= 93% solids by weight/ 92% solids by volume

### **STANDARD COLORS**

clear, white, light gray, dark gray, tile red, tan, and blue.

### **PACKAGING**

1 gallon kit

### **PRODUCT STORAGE**

Materials to be stored between 60 and 90 degree F

### **SHELF LIFE**

6 months in unopened containers

### **FINISH CHARACTERISTICS**

Semi gloss/eggshell (typical gloss is 20-40 @60 degrees)

### **MIX RATIO**

1 part A / 6 parts B / 3 parts C

### **COVERAGE**

500-600 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 HS Sealer can be applied as a topcoat for PalmaLite systems

### **MIXING**

3 components: Part A should be mixed with Part B thoroughly, then Part C added and mixed well. Avoid whipping air into the mixed materials.

### **APPLICATION**

Apply at a rate of 500-600 square feet per gallon using a 3/8" nap roller. Do not apply thicker than the application rate. 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 temperature and humidity levels during the application and curing process.

### **RECOAT**

See cure schedule

### **CLEANUP**

Use ketone solvents

### **AVAILABILITY**

Throughout the United States, Canada, and abroad

### **MAINTENANCE**

Clean floors 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, 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	1000-2000 cps (typical)
Adhesion	300 psi @ elcometer
Abrasion Resistance	Tabor abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 15-20 mg loss
Impact Resistance	Gardner Impact = 160 in. lb. (passed)
Flexibility	No cracks on a 1/8" mandrel

### DOT CLASSIFICATIONS:

Part A "NA1993 COMBUSTIBLE LIQUID N.O.S., 3, PG III"

Part B " ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N. O. S., UN3082, 9, PG III"

### CURE SCHEDULE

potlife - 1 gallon volume (maximum time to apply) .....	1-2 hours
tack free (dry to touch) .....	3-6 Hours
recoat or topcoat .....	6-10 Hours
ligh foot traffic .....	14-24 Hours
full cure (heavy traffic) .....	3-5 Days

### APPLICATION TEMPERATURE

50-90 degrees F with relative humidity between 50-90%

### CHEMICAL RESISTANCE

REAGENT	RATING
acetic acid 5%	C
mek	B
gasoline	D
50% sodiwn hydroxide	D
10% sulfuric	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.