



## TECHNICAL DATA SHEET

# NX300 POLYASPARTIC TOPCOAT

### PRODUCT DESCRIPTION

NX300 IS A TWO COMPONENT POLYASPARTIC TOPCOAT WITH HIGH GLOSS AND EXCELLENT UV STABILITY. SUMMER, WINTER AND EXTREME HEAT VERSIONS ALLOW FOR EASE OF APPLICATION IN VARIOUS CLIMATES.

### TYPICAL USES/APPLICATIONS

TOPCOAT FOR FULL BROADCAST FLOORS.

### PRODUCT ADVANTAGES

- RAPID CURE
- FAST RETURN TO SERVICE
- SIMPLE MIX RATIO
- EASY ROLLER APPLICATION

### PACKAGING

10-GALLON KIT  
PART A - 5-GALLON PAIL  
PART B - 5-GALLON PAIL

### STORAGE

PRODUCT SHOULD BE STORED INDOORS BETWEEN 60°F TO 85°F AWAY FROM DIRECT SUNLIGHT AND MOISTURE.

MAKE SURE CONTAINERS ARE COMPLETELY SEALED TO PREVENT MOISTURE CONTAMINATION AND ENSURE BEST PERFORMANCE.

SHELF LIFE IS 12 MONTHS.

### RECOMMENDED APPLICATION TEMPERATURE

NX300 EXTREME HEAT: 80° - 100° F  
NX300 SUMMER: 60° - 80° F  
NX300 WINTER: 30° - 60° F

### COVERAGE

OVER BROADCAST FLAKE: 150-160 SQ.FT./GAL  
OVER SMOOTH SURFACE: 200-230 SQ.FT./GAL  
(7-8 MILS)

### TEST DATA

#### VOC (FULL KIT):

EXTREME HEAT: 66 g/L  
SUMMER: 66 g/L  
WINTER: 44: g/L

#### WEIGHT PER GALLON (ASTM D1475):

EXTREME HEAT PART A: 8.78 LB/GAL  
SUMMER PART A: 8.78 LB/GAL  
WINTER PART A: 9.05 LB/GAL  
PART B: 9.96 LB/GAL

#### VISCOSITY (ASTM D7867):

EXTREME HEAT PART A: 970 CPS  
SUMMER PART A: 970 CPS  
WINTER PART A: 340 CPS  
PART B: 150 CPS

#### TACK FREE TIME (ASTM D5895) 6 MILS, 70°F / 50% RH:

EXTREME HEAT: 5 HRS  
SUMMER: 2.9 HRS  
WINTER: 45 MIN

#### KÖNIG HARDNESS (ASTM D4366):

FULL HARDNESS: 145 S

#### TABER ABRASION (ASTM D4060):

CS-17 WHEELS, 1000G LOAD

LOSS/1000 CYCLES: 65Mg

#### GLOSS (ASTM D523):

60°: 90 UNITS

#### TENSILE STRENGTH AND ELONGATION (ASTM D638):

TENSILE STRENGTH: 5000 PSI  
ELONGATION: 5%

#### WATER VAPOR TRANSMISSION ASTM E96/E96M):

4 MILS

PERMEABILITY: 3.2 PERMS

ALL TEST DATA COLLECTED AT 70°F.



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### **SURFACE PREPARATION**

PRODUCT IS INTENDED FOR USE AS A TOPCOAT OVER A PREVIOUSLY PRIMED/COATED SURFACE. NOT INTENDED FOR DIRECT TO CONCRETE APPLICATIONS.

SURFACE MUST BE FREE OF DIRT, GREASE, OIL, AND OTHER CONTAMINANTS. CONTAMINANTS COULD LEAD TO SURFACE DEFECTS SUCH AS CRATERS AND CRAWLING IN THE COATING. MAKE SURE SURFACE IS PROPERLY PREPARED BEFORE APPLICATION.

ENSURE THAT THE FLOOR TEMPERATURE IS MORE THAN 5 DEGREES OVER THE LOCAL DEW POINT TO AVOID WATER CONDENSATION.

PRODUCT CAN BE RECOATED WITHIN 12 HOURS. IF RECOATING AFTER 12 HOURS, THE SURFACE WILL NEED TO BE ABRADED TO ENSURE ADHESION.

### **PRE-MIX REQUIREMENTS**

PART A: INVERT CONTAINER 3 TIMES PRIOR TO EACH USE TO UNSURE UNIFORMITY.

PART B: NOT REQUIRED.

### **MIX RATIO:**

1:1 MIX RATIO BY VOLUME (A:B)

### **MIX INSTRUCTIONS:**

CAREFULLY MEASURE 1 PART A AND 1 PART B BY VOLUME AND BLEND TOGETHER FOR 2 MINUTES WITH A DRILL MIXER. PROCEED TO APPLICATION IMMEDIATELY AFTER MIXING. NEVER MIX MORE MATERIAL THAN CAN BE INSTALLED WITHIN 15 MINUTES.

### **APPLICATION**

1. USING THE APPROPRIATE COVERAGE RATE, MIX ONLY THE AMOUNT OF MATERIAL THAT CAN BE INSTALLED WITHIN 15 MINUTES.

2. SPREAD MATERIAL EVENLY WITH A SQUEEGEE AND BACK ROLL WITH A PRE-WETTED ROLLER. USE A CHIP BRUSH TO APPLY AROUND THE EDGES OF THE FLOOR. 3/8" NAP SHED RESISTANT 18" ROLLER AND 3-4" CHIP BRUSH ARE RECOMMENDED.

3. WORK TIME OF THE COATING IS REDUCED UNDER HIGH TEMPERATURE AND/OR HUMID CONDITIONS.

4. FOR DETAILED APPLICATION INSTRUCTIONS, REFER TO PENNTEK TRAINING MANUAL OR CONTACT THE TECHNICAL SUPPORT LINE.

### **PRODUCT AND APPLICATION SUPPORT**

REFER TO THE PENNTEK TRAINING MANUAL OR CONTACT TECHNICAL SUPPORT LINE (952-491-0616) FOR FURTHER INFORMATION.



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## **NX300 POLYASPARTIC TOPCOAT**

### CHEMICAL RESISTANCE | 24 HOUR SPOT TESTING

CHEMICAL	RESULT
ACETIC ACID 30%	1
ACETIC ACID 5%	2
ACETONE	1
AMMONIA 10%	5
BATTERY ACID (SULFURIC ACID 37-40%)	2
BRAKE FLUID	2
CLEANER (FORMULA 409®)	4.5
CLEANER (PINE-SOL®)	2
CLEANER 3% (PINE-SOL®)	4.5
COFFEE	5
COLA	5
DISH SOAP (DAWN®)	4.5
DISH SOAP 1% (DAWN®)	4.5
ETHYLENE GLYCOL / ANTIFREEZE	5
GASOLINE	4
GLASS CLEANER (WINDEX®)	4.5
HAND SANITIZER (ETHANOL BASED)	1
HOUSEHOLD BLEACH	2.5
HYDROCHLORIC ACID 20%	1*
HYDROCHLORIC ACID 5%	2.5
ICE MELT 20%	5
ISOPROPYL ALCOHOL 99%	1
KETCHUP	4.5
MINERAL SPIRITS	5
MOTOR OIL (CONVENTIONAL)	5
MOTOR OIL (SYNTHETIC)	5
MUSTARD	1.5*
PHOSPHORIC ACID 50%	1*
SODIUM HYDROXIDE 50%	5
SUGAR SOLUTION 20%	5
WATER	5
WINDSHIELD WASHER FLUID	3.5
XYLENE	1

**KEY:**

1 = MODERATE/SEVERE DAMAGE, DOES NOT RECOVER  
 2 = MILD DAMAGE, DOES NOT RECOVER  
 3 = LIGHT DAMAGE, PARTIALLY RECOVERS

4 = LIGHT DAMAGE, FULLY RECOVERS  
 5 = NO DAMAGE  
 \* = STAINING