

NX LOW ODOR POLYASPARTIC TOPCOAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

NX LOW ODOR IS A TWO COMPONENT POLYASPARTIC TOPCOAT WITH HIGH GLOSS AND EXCELLENT UV STABILITY. DESIGNED FOR USE IN POORLY VENTILATED AREAS WHERE SOLVENT ODORS ARE NOT TOLERATED.

TYPICAL USES/APPLICATIONS

- TOPCOAT FOR FULL BROADCAST FLOORS
- TOPCOAT FOR SMOOTH EPOXY FLOORS

PRODUCT ADVANTAGES

- LOW ODOR
- LOW VOC
- SIMPLE MIX RATIO
- EASY ROLLER APPLICATION

PACKAGING

25-GALLON KIT

PART A - 5-GALLON PAIL (X3)

PART B - 5-GALLON PAIL (X2)

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

FLOOR TEMPERATURE: 60° - 80° F

APPLYING MATERIAL OUTSIDE OF THE RECOMMENDED TEMPERATURE RANGE MAY DRAMATICALLY INCREASE OR DECREASE CURE SPEED.

COVERAGE

OVER BROADCAST FLAKE: 120 - 130 SQ.FT./GAL.

OVER SMOOTH SURFACE: 200 - 320 SQ.FT./GAL.
(5 - 8 MILS)

TEST DATA

SOLIDS CONTENT (ASTM 2369):

91.1%

VOC (ASTM 2369):

96 GRAMS PER LITER

WEIGHT PER GALLON (ASTM D1475):

PART A: 8.81 LB/GAL

PART B: 9.42 LB/GAL

VISCOSITY (ASTM D7867):

PART A: 570 CPS

PART B: 490 CPS

TACK FREE TIME (ASTM D1640)

8 MILS, 55% RH

8 HRS

KÖNIG HARDNESS 30° (ASTM D4366):

FULL HARDNESS: 153 S

TABER ABRASION (ASTM D4060):

CS-17 WHEELS, 1000G LOAD

LOSS/1000 CYCLES: 58 MG

GLOSS (ASTM D523):

WITHOUT ANTI-SLIP ADDITIVE

20°: 75 UNITS

60°: 90 UNITS

UV RESISTANCE (ASTM G154):

340 NM BULB, .89 IRRADIANCE, 1000 HOURS, 60 °C

ΔE: <5

TENSILE STRENGTH AND ELONGATION (ASTM D638):

5 MILS

TENSILE STRENGTH: 5750 PSI

ELONGATION: 10.5%

WATER VAPOR TRANSMISSION (ASTM E96/E96M):

4 MILS

PERMEABILITY: 1.8 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 AND/OR POOR ADHESION. 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.

FOR OVER ANOTHER COATING:

IF APPLYING NX LOW ODOR PAST 24 HOURS OF THE PREVIOUS COATING'S APPLICATION, FULLY ABRADE THE SURFACE TO UNIFORM APPEARANCE, REMOVING ALL GLOSS. FAILURE TO DO SO COULD RESULT IN POOR ADHESION.

FOR RECOATING NX LOW ODOR:

IF TWO COATS ARE NECESSARY, NX LOW ODOR CAN BE APPLIED OVER ITSELF WITHIN 24 HOURS OF FIRST COAT WITHOUT ADDITIONAL SURFACE PREPARATION. IF PAST 24 HOURS SURFACE MUST BE FULLY ABRADED TO UNIFORM DULLNESS, REMOVING ALL GLOSS. COATING MUST BE HARD ENOUGH TO SAND WITHOUT CLOGGING ABRASIVE MATERIAL.

PRE-MIX REQUIREMENTS

PART A: INVERT CONTAINER SEVERAL TIMES PRIOR TO USE TO MIX CONTENTS.

PART B: NOT REQUIRED.

MIX RATIO:

3:2 MIX RATIO BY VOLUME (A:B)

MIX INSTRUCTIONS:

CAREFULLY MEASURE 3 PARTS A AND 2 PARTS 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. FOR INCREASED SLIP RESISTANCE, ANTI-SLIP ADDITIVES CAN BE USED DURING INSTALLATION (SHARKBITE®, ETC.). THE ADDITION OF ANTISLIP ADDITIVES MAY REDUCE GLOSS.
2. USING THE APPROPRIATE COVERAGE RATE, MIX ONLY THE AMOUNT OF MATERIAL THAT CAN BE INSTALLED WITHIN 15 MINUTES.
3. 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.
4. WORK TIME OF THE COATING IS REDUCED UNDER HIGH TEMPERATURE AND/OR HUMID CONDITIONS.
5. 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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CHEMICAL RESISTANCE | 24 HOUR AND 30 MINUTE SPOT TESTING

CHEMICAL	24 HR RESULT	30 MIN RESULT
ACETIC ACID 30%	1	1
ACETIC ACID 5%	1	5
ACETONE	1	1
AMMONIA 10%	5	
BATTERY ACID (SULFURIC ACID 37-40%)	5	
BRAKE FLUID	1.5	4
CITRIC ACID 20%	5	
CLEANER (FORMULA 409®)	5	
CLEANER (PINE-SOL®)	3.5	5
CLEANER (PINE-SOL® 3%)	5	
COFFEE	5	
COLA	5	
DISH SOAP (DAWN®)	5	
ETHYLENE GLYCOL / ANTIFREEZE	5	
GASOLINE	1	1.5
GLASS CLEANER (WINDEX®)	4	
GLYCERIN	5	
HAND SANITIZER (ETHANOL BASED)	1	2.5
HOUSEHOLD BLEACH	3	5
HOUSEHOLD BLEACH 10%	3.5	5
HYDROCHLORIC ACID 20%	1	5
HYDROCHLORIC ACID 10%	5	
ICE MELT 20% IN WATER	5	
IODINE SOLUTION (BETADINE®)	5*	5
ISOPROPYL ALCOHOL 99%	1	4
KETCHUP	3	5
MINERAL SPIRITS	5	
MOTOR OIL (CONVENTIONAL)	5	
MOTOR OIL (SYNTHETIC)	5	
MUSTARD	1*	4
PHOSPHORIC ACID 75%	1	4
PHOSPHORIC ACID 50%	4	
PHOSPHORIC ACID 10%	5	
SKYDROL® LD-4	1	5
SODIUM HYDROXIDE 50%	5	
SUGAR SOLUTION 20%	5	
WATER	5	
WINDSHIELD WASHER FLUID	3	4
XYLENE	1	4

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