

NEXGEN POLYMERS

NexGen UltraSeal 220-S

61% SOLIDS SOLVENT ALIPHATIC URETHANE - SATIN

PHYSICAL PROPERTIES

% SOLIDS	61%
VOL. RATIO	1 A : 1 B
VISCOSITY	250-450 cps
DRY TO TOUCH	5-7 Hours at 70° F
RECOAT TIME	8-24 Hours at 70° F
POT LIFE	25-40 minutes
FULL CURE	7 Days
APPLICATION TEMP	50° - 90° F
COVERAGE RATE	
Topcoat:	300-350 ft ² /gal
PACKAGING	1 Gal Kit 2 Gal Kit 10 Gal Kit 550 Gal Kit

MECHANICAL PROPERTIES

SHORE D HARDNESS	77-80
ASTM D2240	
ABRASION RESISTANCE	<30 mg loss
ASTM D1044	
WATER ABSORPTION	0.1%
ASTM D570	
IMPACT RESISTANCE	PASS
ASTM D2794	

CHEMICAL RESISTANCE

Refer to NexGen Chemical Resistance Chart

Nexgen UltraSeal #220-S is a 61% solids solvent based clear 2K aliphatic urethane topcoat. UltraSeal has excellent abrasion and chemical resistance and is engineered for indoor or outdoor applications. Easy 1 to 1 mix ratio and satin finish with unparalleled UV stability.

SURFACE PREPARATION

NEW CONCRETE: Surface laitance must be removed by diamond grinding on concrete that is cured for a minimum of 28 days. The concrete must be structurally sound, dry, and free of contaminants and coated with an epoxy. Rising moisture vapor emission rate must not exceed 3 lb. per 1000 sq. ft. over a 24-hour period as measured method ASTM F-1869. The concrete must be coated and dry at least 24 hours prior to UltraSeal 220-S application.

The preferred method of surface preparation is to mechanically abrade the epoxy floor by sanding with a #60-#80 grit sand paper then removing all dust with a vacuum and wiping with acetone.

UltraSeal 220-S is a topcoat to be applied over coated flooring systems. Do not apply direct to concrete.

MIXING

Must pre-mix prior to use. Hand mixing will produce inconsistent results and is not an approved method. Before starting, ensure that the material, concrete surface, and the ambient air are all at 50-90°F. Mixing ratio is 1 parts by volume of Part A to 1 part by volume of part B. Pre-mix both A and B sides prior to combining. Add part "A" to the mixing container. Add part "B" to the mixing container and mix for 3 minutes with Jiffy Mixer.

APPLICATION EQUIPMENT

¼" Mohair Roller 9" or 18"
Paint Tray to dip and roll

SHELF LIFE

1 Year from the Date of Manufacture provided containers are unopened.

APPLICATION

Mix only what you can dip and backroll within 30-45 minutes (approximately 1 gallon of mixed material per crew of two applicators wearing spiked shoes). Do not aerate the mix. Before starting, ensure that the material, concrete surface, and the ambient air are all at 50-90°F. Do not apply in direct sunlight or when temperature is rising.

Wearing spiked shoes, pour the mixed UltraSeal 220-S urethane into a paint tray and dip the roller and apply on the floor. Spread using a squeegee and then back roll using a ¼" Mohair lint-free roller.

DO NOT LET MATERIAL PUDDLE AS WHITE SPOTS MAY OCCUR. DO NOT TURN THE MIXING BUCKET OVER ONTO THE FLOOR.

CLEANUP

Clean Tools and application equipment immediately after use with solvent like acetone. Clean spills or drips while still wet with solvent. Dried product will require mechanical abrasion for removal.

LIMITATIONS

Do not apply directly to concrete. Do not apply if water or moisture is present. Lower temperatures will slow cure time. Do not store at temperatures below 50°F or above 90°F. Do not apply Urethane if the floor is subject to moisture vapor drive or hydrostatic pressure. Avoid puddling during application. NOTE: Contains solvents, proper ventilation is required.

PRODUCT HANDLING

Avoid contact of uncured material to skin and eyes, proper PPE should be used during the handling of this product. Clean skin with soap and water. Refer to the Safety Data Sheet for additional information. CAUTION: if mixing solvent-based products with an electric drill, sparks may ignite solvent odors. Whenever possible use a battery-operated cordless drill. KEEP AWAY FROM FLAMES OR SPARKS. FOR PROFESSIONAL USE ONLY.

STORAGE & DISPOSAL

Store in a dry environment at room temperature out of direct sunlight. Dispose of waste in accordance with federal, state and local regulations.