

PRODUCT DESCRIPTION:

URETHEX is a single-packaged, aromatic urethane which cures by reaction with ambient moisture in the air to a hard, clear film with outstanding abrasion resistance, toughness and flexibility. URETHEX is easily applied by conventional methods over concrete, wood or NPC seamless flooring systems. URETHEX provides excellent protection and adds life to drab or uncoated surfaces.

PRODUCT FEATURES:

- Outstanding wear and abrasion resistance.
- Cures tack-free in 1 to 2 hours with nearly full cure overnight under normal conditions.
- Good chemical and corrosion resistance.
- Tough yet flexible (passes 1/8 mandrel bend test).
- One component and easily applied with standard equipment.
- Low maintenance, easily cleaned and never needs waxing.

TYPICAL USES:

- As a floor finish in factories, warehouses, chemical plants, food processing plants, laboratories, clinics, hospitals, residential floors, garages, rail-road boxcars, gymnasiums, classrooms, office buildings, stores and many other uses.
- Interior finish over NPC KROMOTEX, KROMOQUARTZ

and EPOXAL seamless flooring systems.

- As an anti-skid finish, with aggregate.
- Excellent scuff-resistant clear coating for hardwood and concrete floors.

LIMITATIONS:

- Not recommended for exterior use or in areas with exposure to direct sunlight.
- May cause discoloration if used over light coloured stains.
- Not recommended for use over asphalt or vinyl tiles.

TECHNICAL DATA

DRY TIME:	tack free in 2 to 3 hours
CURE TIME	12 hours, light traffic
@25°C(77°F), 50% RH:	24 hours, normal use
REDUCER and CLEANUP:	NPC Glaze Thinners
SHELF LIFE:	6 months in unopened can

PERFORMANCE DATA

SWARD HARDNESS:	24 hrs 34	1 week 36
PERCENT SOLIDS:		
by VOLUME:	38%	
by WEIGHT:	42%	
RECOMMENDED COVERAGE:	300 sqft./US Gal	@ 2 mil DFT/coat
TABER ABRASION:	loss	average weight
		CS 17 wheels, 1000 gm weight 1000
		cycles 20 mg
MANDREL FLEXIBILITY:	passes 1/8"	
TENSILE STRENGTH:	4500 PSI	
ELONGATION:	100%	

IMPACT RESISTANCE, DIRECT: 160 inch pounds

NOTE: The above data is solely based on lab testing done under strictly controlled conditions. Ambient temperature was used for all testing. No warranty can be given as to the accuracy of this information as it will depend upon conditions at actual project locations, which are beyond our control.

SURFACE PREPARATION:

NEW CONCRETE:

On or below grade concrete should not be coated if a water problem exists. New concrete must be a minimum of 28 days old before coating. All loose or powdery concrete must be removed. An acid etch with 10% muriatic acid solution is strongly recommended. Concrete must be clean and dry before coating.

USED CONCRETE:

It is important that grease, oil and other penetrated contaminants be removed prior to application of **URETHEX**. Use a commercial concrete cleaner, strong detergent or solvent to wash the surface. Cleaners must be rinsed off thoroughly and surface must be dry before coating.

PAINTED CONCRETE:

Remove all coatings, which are not well bonded to the substrate. Test well bonded area to determine if **URETHEX** will cause lifting, bubbling or wrinkling. If any of these occur, remove old coating by sanding, grinding or by way of paint remover. If

coating is not attacked by **URETHEX**, sand until it is dull and clean thoroughly and then apply coating.

WOOD:

Surface must be dry and free from oils and contaminants. Remove old finishes such as wax, grease, oil or dirt by sanding. Paint and varnish removers may also be used.

TILES:

URETHEX is not recommended for use over asphalt or vinyl tile systems. It contains solvents which could attack adhesives causing warping, peeling, bleeding or discolouration to occur.

APPLICATION:

For first coat penetration on uncoated wood and concrete surfaces, thin up to 15% with NPC glaze thinners or xylene.

Apply at a rate of 250 to 300 sq.ft. /gallon using a high quality, lint-free applicator. A minimum of 2 coats are recommended to achieve a durable finish for high traffic areas. Allow 2 to 4 hours between coats. Ensure the first coat is tack-free before applying subsequent coats.

Note: If re-coat time exceeds 24 hours, then the initial coat must be sanded to ensure a proper bond.