



100% URETHANE - 40% SOLIDS
ULTRATHANE-40™
INDUSTRIAL GRADE DURABILITY
CLEAR GLOSS SEALER & COATING

PRODUCT DATA
#5840
03/26/10
superseding: 10/01/09

FUEL and CHEMICAL CONTAINMENT COATING - See Detailed Application Procedure Manual

PRODUCT DESCRIPTION:

ULTRATHANE-40™ is a clear gloss, 100% urethane with 40% active solids, protective Gloss Urethane Coating and Sealer. It is a high-performance waterborne emulsion urethane formulated to comply with V.O.C. regulations. It contains a remarkable combination of high-performance properties that produce protective films which are hard and very impact resistant. **ULTRATHANE-40™** is excellent for interior or exterior applications including most sealed and previously coated concrete, metal and hard wood surfaces. It can also be used on most bare hard wood and hard wood decks and floors. **ULTRATHANE-40™** features high abrasion, scratch and auto tire mark resistance with superior durability and soil/dirt release. It is easy to use, odorless and environmentally friendly while providing a beautiful and highly protective gloss finish with excellent resistance to a broad range of chemicals.

ULTRATHANE-40™ can be used as a Fuel and Chemical Containment Coating following strict preparation and application procedures (Request a Detailed Fuel and Chemical Containment Application Procedure Specification Sheet). Applicator and or Contractor will be responsible for approval of the system where required.

ULTRATHANE-40™ CHEMICAL RESISTANCE PERFORMANCE

(One hour spot test with one hour recovery) Meets ASTM D-2794 for Impact Resistance

Urine, Blood & Whiskey	No Effect	50% Sodium Hydroxide	No Effect
Black Ink & Gasoline	No Effect	25% Hydrochloric Acid	No Effect
Brake Fluid	Softens & Recovered	25% Sulfuric Acid	No Effect
Mineral Spirits & Xylene	No Effect	25% Acetic Acid	No Effect
M.E.K.	Film Softens	25% Nitric Acid	Film Blistered

ULTRATHANE-40™ USES:

ULTRATHANE-40™ dries to a Hard Clear Gloss Urethane Finish. **ULTRATHANE-40™** is excellent for interior or exterior applications including most sealed and previously coated concrete, metal and hard wood surfaces. It can also be used on most bare hard wood and hard wood decks and floors. **ULTRATHANE-40™** will not perform on any Soft Wood.

Designed for use as a urethane clear gloss top coat that provides maximum cleanability and superior stain resistance when used as a finish coat on painted surface floorings; this coating is ideally suited for clean room floors, automotive repair facilities and other high wear areas requiring resistance to fuels and chemicals. It has excellent auto tire mark resistance on driveways. It is excellent for use on fuel containment walls and floors. It can be used on residential, commercial and industrial applications.

SURFACE PREPARATION:

For proper adhesion and full durability, it is essential that the surface be prepared properly. The surface must be absolutely clean, dry and free from all dirt, wax, oil, chalk, incompatible paint or detergent film. Apply directly over concrete that has been sealed with either a clear or colored coat of **CRETE-GUARD™**, **CRETE-CLEAR™**, **ACRATHANE™**, **ACARACLEAR™**, **AQUAKOTE™**, **AQUACLEAR™** or other compatible Acrylic Concrete Stain, Sealer or Paint. Fully cured or previously coated surfaces and Hard Wood Surfaces must be cleaned and lightly sanded with 100 grit sandpaper or otherwise mechanically abraded.

APPLICATION PROCEDURE:

Stir contents thoroughly. Apply with short nap roller, brush or spray. Apply at temperatures above 45 degrees Fahrenheit. Apply uniformly and do not leave any puddles or build ups. Two coats are required. For areas with heavy traffic and high amounts of chemical exposure, multiple coats are recommended. Let each coat dry at least 2 hours before recoating.

Higher temperatures will accelerate dry time and lower temperatures and high humidity will lengthen dry and cure time.

DO NOT THIN **ULTRATHANE-40™**, Use Product As Is.

CLEAN UP:

Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

Due to many critical variables and unforeseen conditions not associated with the product, there is NO WARRANTY expressed or implied for this Product.

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Gloss	SPREAD RATE:	200 to 400 sq.ft./gal.
COLOR:	Clear	DRY to TOUCH:	1 to 2 Hours
VEHICLE TYPE:	Urethane Emulsion	RECOAT:	2 to 4 Hours
SOLIDS by WEIGHT:	40% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	35% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.99 lbs./gal. • 119 g/liter	GALLON WEIGHT:	8.7 lbs. +/- .3 lbs.

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

In Any Event Nationwide Chemical Coating Manufacturers, Inc. will not be liable or responsible for any of its products applied not following Strict Manufacturer's Application Procedures.



MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL DATA SHEET

**MSDS#:
5840**

Product Identification	Product Name: ULTRATHANE-40™ Product Code #: 5840 General Usage: Clear Gloss Urethane General Description: Clear Gloss Urethane Sealer C.A.S. Number: None Established; Mixture	
Manufacturer Information	Manufacturer's Name: Nationwide Chemical Coating Mfrs., Inc. Address: 7106 24th Court East; Sarasota, FL 34243-3993 Emergency Telephone: 1-800-423-7264 or 941-753-7500 Information: 1-800-423-7264 or 941-753-7500 Web Site: www.nationwidecoatings.com E-Mail: info@natcoat.net Date Effective: January 1 st , 2005	
Chemical and Physical Properties	Color: Clear Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 55-60% Evaporation Rate (Butyl Acetate=1): <1	Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H ₂ O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1
Fire Protection Information	Decomposition/Combustion: N/A Flash Point: N/A; Does Not Burn Recommended Extinguishing Media: N/A Flammable Limits: N/A	
Storage and Reactivity	Hazardous Polymerization: Will Not Occur Storage Conditions: Keep from Freezing Toxic Products Which May Form: None	
Transportation	Hazard Classes: None; Not Hazardous Hazard Labels: Not Required Hazard Determination: MSD Sheet Shipping Containers: Varies Shipping Class: Class 55; Water Based Paint	
Container Labeling	Explanation of Unique Labeling System: None Used	

Health Hazard Data	SHORT TERM EXPOSURE	
	Route of Entry: Inhalation: Skin: Eyes: Ingestion:	Precautionary Treatment Expected None Expected None Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.
	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Personal Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Spill or Leak Protection	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Treatability	Biodegradability: With water prior to cure. Influence on Biological Wastewater Treatment: None Other Impacts on Wastewater Treatment: None Recommended Wastewater Treatment: Dilutable Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None	
Recommended Waste Disposal	Dispose of in accordance with Federal, State and Local guidelines.	