

**No Skidding®**



266 Wildcat Rd, Toronto, ON M3J 2N5 Canada  
Phone: (416) 667-1788 Fax: (416) 667-1783  
sales@noskidding.com www.noskidding.com  
or call us Toll Free at 1-800-375-0571

We warehouse within the U.S. for our U.S. customers

**EPOTUFF AU-73**  
**ALIPHATIC URETHANE**  
**HEAVY DUTY INDUSTRIAL • HIGH SOLIDS, SINGLE COAT**



### Slip Resistant & Easy to Apply

Roller Application on concrete, steel, and many other substrates, available in a clear and color. Clear is non-yellowing. AU-73 can also be used over intact, old paint in most situations. For exterior and interior use.

AU-73 withstands deformation much better than conventional polyurethanes, which typically fail at 30 inch-pounds when subjected to the ASTM D2794 direct-impact test. AU-73 withstands more than four times as much impact - performance that puts it in the same league with costly, hard-to-apply elastomeric polyurethane claddings and makes AU-73 ideal for flooring and materials-handling applications. AU-73 is capable of withstanding ten times more reverse impact than conventional polyurethanes, making it an ideal choice for demanding interior and exterior applications.



### SLIP RESISTANT

When used with polymer aggregate  
Resists impact and abrasion  
and delivers years of durability  
& floor safety.

- High Solids—73% solids, compared to no more than 40% with conventional coatings. AU-73 exceeds EPA VOC requirements, delivers outstanding flow-out and hiding characteristics.
- High-Build Thickness - Conventional polyurethanes produce a dry film thickness of about 2 mils. AU-73 builds to twice that thickness in a single coat and gives far more coverage.
- High Shine - Conventional polyurethanes start out glossy, but their luster quickly fades. AU-73's special resin blend keeps it shining year after year.
- Durable - Most conventional polyurethanes can't stand up to corrosion and abuse. AU-73 delivers durability and protection in tough industrial applications.

**Outstanding Abrasion Resistant**

AU-73 totally outclasses conventional polyurethanes. On the CS-17 abrasive wheel test (chart shown on right). AU-73 loss rate was less than half that of the best non-urethane product, a conventional epoxy. The reason for this outstanding performance is the high-build film, which is twice as thick as a standard aliphatic polyurethane.

Only costly, hard-to-apply elastomeric polyurethane claddings have a better abrasion resistance than easy-to-apply AU-73.

**Product Data / Application Instructions**

- Unique, high-solids, high-build, multifunctional coating
- Low VOC
- High-gloss, self-priming coating
- Excellent gloss retention
- Direct to metal and concrete in selected environments
- Outstanding abrasion, reverse and direct impact resistance
- Good chemical and stain resistance
- Tough and flexible coating

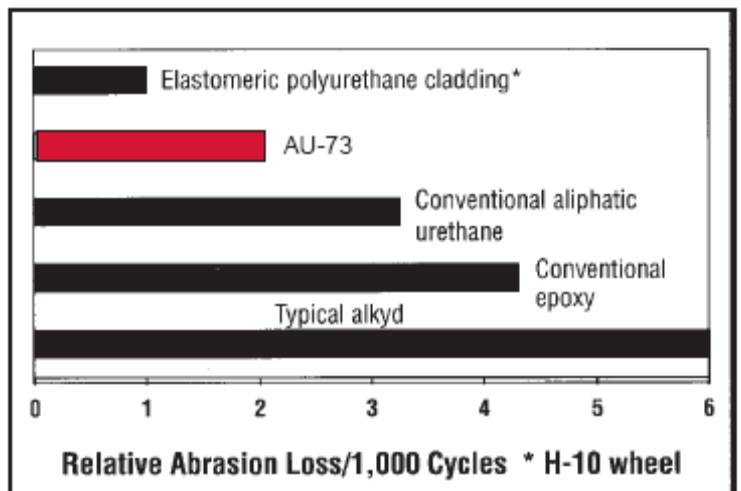
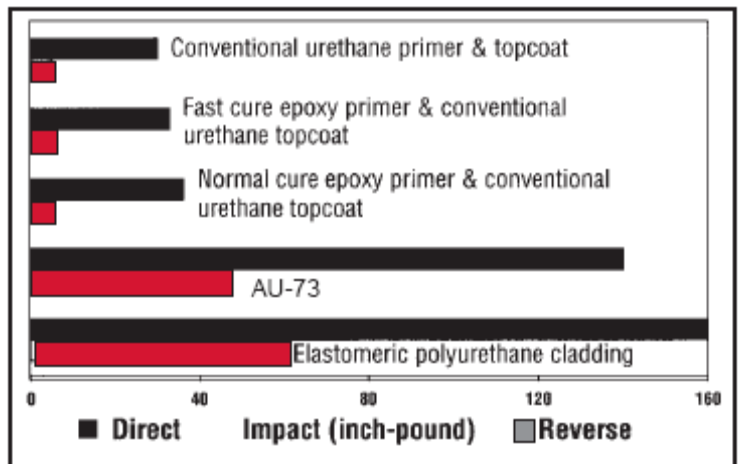
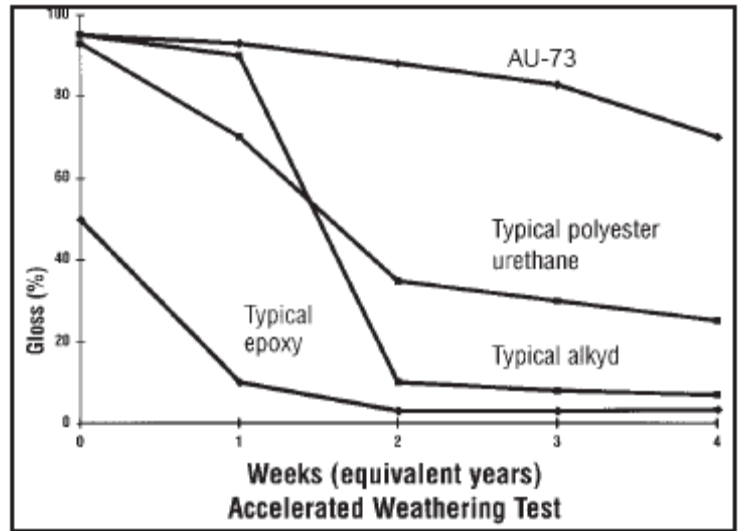
AU-73 displays high gloss and excellent color and gloss retention during extended service periods. The direct- to-metal capabilities of AU-73 provide a one-coat system at reduced installation cost for use in protected environments.

AU-73 has excellent adhesion to concrete providing a durable, glossy, easy-to-clean flooring system. May be used over ES-83 as a durable, weather-resistant topcoat for extra heavy duty service; over intact, old paint as a maintenance product.

AU-73 curing time may be adjusted with Accelerator for convenient application at low temperatures or when faster cure is required. A full color range is available.

**Typical Uses**

- Steel catwalks, ramps
- Industrial plants
- Transportation  
Vehicle equipment - buses, trucks, lifts
- Marine  
Decks



## Physical Data

Finish	Gloss	
Yellow, red and orange colors will fade faster than other colors due the replacement of lead-based pigments with lead-free pigments in these colors.		
Components	2	
Curing Mechanism	Solvent release and chemical reaction	
Volume Solids (ASTM D2697 modified)	73% ± 3%	
Dry film thickness per coat	5 mils (125 microns)	
Coats	1	
<b>Theoretical Coverage</b>	<b>ft<sup>2</sup>/gal</b>	<b>m<sup>2</sup>/L</b>
1 mil (25 microns)	1171	29
5 mils (125 microns)	234	5.7
<b>VOC</b>	<b>lb/gal</b>	<b>g/L</b>
mixed	2.2	264
<b>Temperature resistance (dry) °F °C</b>		
continuous	200	93
intermittent	250	121
<b>Flash point (SETA)</b>	<b>°F</b>	<b>°C</b>
cure	122	50
resin	110	43
mixed	115	46

## Qualifications

USDA – Incidental food contact  
Tint and custom colors  
NFPA – Class A

## Typical Properties - Physical

### Impact resistance (ASTM D2794) @ 5 mils

direct	140 in • lbs	15.8 N • m
reverse	150 in • lbs	15.6 N • m

### Taber abrasion

1 kg load/1000 cycles	weight loss
CS-17 wheel	60.2 mg

Elongation (ASTM D522) >32%

### Temperature-Air or surface °F °C

AU-73	40 to 120	4 to 49
AU-73 with Accelerator	32 to 120	0 to 49

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.

Thinner	AU-73/65
Equipment cleaner	Thinner or AU-73/12

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance.

## Application Procedures

Stir resin thoroughly, add cure and mix until uniform. Do not mix more material than will be used within pot life time. Mixing ratio is 4 parts resin to 1 part cure by volume. Then stir grit into mixed coating and apply.

Pot life (hours)	°F/°C			
	90/32	70/21	50/10	32/0
AU-73	1 <sup>1/2</sup>	2 <sup>1/2</sup>	5	-
AU-73 with Accelerator	1/2	1	2	4

If thinning is necessary, add up to 1 pint ES-83/65 per gallon of AU-73.

### Drying time (ASTM D1640) (hours) °F/°C

	°F/°C			
	90/32	70/21	50/10	32/0
touch	1	2 <sup>1/2</sup>	4	-
with Accelerator	1/2	3/4	1	2 <sup>1/2</sup>
through	5	10	72	-
with Accelerator	2	3	6	10

Using 1/2 pt Accelerator per 5 gal.

### Recoat time (hours) °F/°C

	°F/°C				
	90/32	80/26	70/21	50/10	32/0
minimum	4	5 <sup>1/2</sup>	8	48	-
with Accelerator	1 <sup>1/2</sup>	1 <sup>3/4</sup>	2	4	8
maximum	12	24	168	168	-
with Accelerator	6	8	12	24	48

Roughen surface if maximum recoat time is exceeded.

For colors, application of 8-mil wet film thickness (thinned) will normally provide 5-mil dry film thickness, Clear coat at 5-mils WFT will normally provide 3-mil DFT.

Clean all equipment with thinner or ES-83/12 immediately after use.

Note: Moisture sensitive - Keep cure container tightly closed. Repeated moisture exposure will cause gellation and gassing; handle bulged containers with caution, lids may eject forcibly.



**Chemical Resistance Guide**

Environment	Splash and Spillage	Fumes and Weather
Acidic	E	E
Alkaline	E	E
Salt solutions		
Acidic	E	E
Neutral	E	E
Alkaline	E	E
Seawater	E	E
Fresh water	E	E
Solvents	G	E
Petroleum products	E	E

F-Fair G-Good E-Excellent NR-Not Recommended

This table is only a guide to show typical resistance. Contact your representative for your particular corrosion protection needs.

**Typical Systems—Industrial Applications**

Substrate	Primer	Finish Coat
Steel	none, ES-83	AU-73
Galvanizing	none, ES-83	AU-73
Aluminum	none, ES-83	AU-73
Concrete	ES-83	AU-73
Masonry	none, ES-83	AU-73

**Environmental Conditions**

Temperature air or surface	°F	°C
AU-73	40 to 120	4 to 49
AU-73 with Accelerator	32 to 120	0 to 49

Surface temperature must be at least 5°F (3°C) above dew point to prevent condensation.

**Low Temperature Application**

At low temperatures or when a fast cure is required Accelerator can be added to mixed resin and cure. DO NOT apply AU-73 with Accelerator when surface temperature is over 120°F.

**Safety Precautions**

Read each component’s material safety data sheet before use. Mixed material has hazards of both components. Safety precautions must be strictly followed during storage, handling and use.

**READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT.**

**Limitations**

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Any liability we may have with respect to a product or its use (including liability for breach of warranty, strict liability in tort, negligence or otherwise) is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental and consequential damages.

**PLEASE READ AND FULLY UNDERSTAND LABEL AND MSDS BEFORE USING.**

**Important:** Seller’s and manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and the user assumes all risk and liability whatsoever in connection therewith. No statement of recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of the seller and manufacturer. Buyer assumes all risk and liability associated with disposal.

No Skidding® products are in use around the world in hotels, warehouses, factories, shopping malls, public transit systems, airports, hospitals and senior care, office complexes, restaurants, day care, schools, fitness clubs, government and military facilities.

The most complete range of slip injury prevention products in the World.

**Surface Preparation**

Coating performance is, in general, proportional to the degree of surface preparation. All surfaces must be clean, dry and free of oil, grease, dirt, salt deposits or other contamination.

For faster drying at low temperatures, AU-73 Accelerator can be used.

**Steel, Aluminum or Galvanizing** - Remove oil or soap film with neutral detergent or emulsion cleaner; or blast lightly with fine abrasive.

**Concrete** - Clean concrete or acid etch if required.

**Coated Surface** - Clean by low pressure water cleaning (1000 psi or greater), solvent emulsion cleaning or power tool cleaning. Surface must be clean, dry and free of oil, grease, dirt or other contamination. Apply test patch to confirm compatibility and adhesion.

Mixing Ratio 1 part cure to 4 parts resin (by volume)

**Shelf life when stored indoors at 40 to 100°F (4 to 38°C)**

resin 1 year from shipment date  
cure 1 year from manufacturer date

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Appearance will vary depending on substrate and application method. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions. This mixed product is nonphotochemically reactive as defined by the South Coast Air Quality Management District’s Rule 102 or equivalent regulations.



266 Wildcat Rd, Toronto, ON M3J 2N5 Canada  
Phone: (416) 667-1788 Fax: (416) 667-1783  
sales@noskidding.com www.noskidding.com  
or call us Toll Free at 1-800-375-0571

We warehouse within the U.S. for our U.S. customers  
\* No Skidding® is a registered trademark of No Skidding Products, Inc., Toronto Canada