



## #32-936 Urethane Sealer

### DESCRIPTION

32-936 is one component moisture cured polyurethane (HDI based) floor coating/sealer that exhibits superior characteristics for abrasion resistance. This product has good UV stability.

### RECOMMENDATIONS

Recommended for showrooms, warehouses, laboratories, cafeterias, and most indoor chemical exposure areas with regard to concrete or cement.

### TECHNICAL DATA

**Solids by Weight:** 65% (+/- 3%)

**Solids by Volume:** 60% (+/- 3%)

**Volitile Organic Content:** 2.80 lbs./gal

**Color:** Clear (gardner 1)

**Recommended Film Thickness:** 2 - 5 mils per coat wet thickness

**Coverage Per Gallon:** 320 to 800 sq.ft. @ 2 - 5 mils wet thickness

**Packaging Information:** 1 gallon containers (volumes approximate.)

**Mix Ratio:** One component product

**Shelf Life:** 3 months in unopened containers

**Finish Characteristics:** High gloss (>70 at 60° @ Erichsen glossmeter)

**Abrasion Resistance:** Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 4.4 mg loss

**Impact Resistance:** Gardner Impact, direct & reverse = 100 in.lb. (passed)

**Hardness:** 2H

**Flexibility:** No cracks on a 1/8" mandrel

**Adhesion:** 360 psi @ elcometer (concrete failure, no delamination) (applied over NP154 clear primer)

**Viscosity:** Less than 200 cps (typical)

**DOT Classifications:** "FLAMMABLE LIQUID N.O.S, 3, UN1993, PGIII"

### CURE SCHEDULE (70°F)

Pot Life - 1 gallon volume	3 - 5 hours
Tack Free (dry to touch)	4 - 7 hours
Recoat or Topcoat	9 - 13 hours
Light Foot Traffic	13 - 24 hours

Full Cure (heavy traffic)

3 - 5 days

### APPLICATION TEMPERATURE

50°F - 90°F with relative humidity between 60-90%

### CHEMICAL RESISTANCE

REAGENT	RATING
acetic acid 5%	C
xylene	E
MEK	B
methyl alcohol	B
gasoline	D
10% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric	D
10% hydrochloric acid	D
20% nitric acid	C
ethylene glycol	D

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

### PRIMER

None recommended.

### TOP COAT

None recommended.

### LIMITATIONS

- Clarity of color may be affected by high humidity, low temperatures, chemical exposure or exposure to lighting such as sodium vapor lights.
- For best results use a high quality 3/8" nap roller.
- Slab on grade requires moisture barrier.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days.
- Use a suitable primer.
- If recoating after 24 hours, then the surface must be deglossed before the application.
- The concrete and joints must be thoroughly dry prior to application.

- Applying the product thicker than recommended may result in product failure.
- Physical properties are typical values and not specifications.

## **PRODUCT STORAGE**

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Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60°F and 90°F.

## **SURFACE PREPERATION**

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Surface preparation will vary according to the type of complete system to be applied. All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

## **PRODUCT MIXING**

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This product is a one component product. Before using stir well. Avoid whipping air into the coating when stirring.

## **PRODUCT APPLICATION**

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The material can be applied by brush or roller. Be sure to thoroughly roll out the material in successive passes to make sure the substrate is well wetted out. Read the MSDS before using. Maintain temperatures within the recommended ranges during the application and curing process. Too thick of an application or application to a damp surface may cause product failure.

## **Recoat or Topcoating**

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Multiple coats of this product are acceptable. If you opt to recoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process. The information in the curing schedule is a reliable guideline to follow. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. Before recoating or topcoating, check the coating to insure no contaminants exist such as an epoxy blush. If necessary, clean the surface prior to recoating with a standard type detergent cleaner. When recoating this product with subsequent coats of the urethane, it is advisable to apply the recoat before 24 hours passes.

Also, it is advisable to degloss the previous coat to insure a trouble free bond, if more than 24 hours has elapsed since the previous coat.

## **CLEAN UP**

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Use ketone solvents.

## **Floor Cleaning**

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

## **RESTRICTIONS**

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Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under "Cure Schedule"). It is best to let the floor remain dry for the full cure cycle.

*See Safety Data Sheet for applicable safety warnings and procedures, as well as protective equipment.*