



# Clear Poly Glaze

## The Final Clear Coat for Preferred Epoxy

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### TECHNICAL DATA SHEET

**DESCRIPTION AND USE:** Preferred Deck's **Clear Poly Glaze** is a two-component, high solids aliphatic polyurethane that was designed as a high-performance clear final coating for seamless flooring applications. It produces a very hard, yet flexible, protective coating that is extremely chemically resistant. This coating has high-abrasion and scratch-resistant properties, as well as being impact resistant. **Clear Poly Glaze** is easy to maintain due its durable and easy-soil-release properties. It is ideally suited for low-maintenance floors such as, automotive repair facilities, aircraft hangars and other high traffic areas that require resistance to many types of chemicals. For exterior applications, a UV-stabilizer package is required for long term chalk-resistance and gloss retention. For rapid turnaround, a special accelerator is available. For interior applications that do not require high-chemical resistance, regular use of Preferred Deck's **Finish Wax** is recommended to serve as a "sacrificial layer" to prevent scratching and wear marks. For applications that do require high-chemical resistance (such as garages or factories), **Finish Wax** is not recommended since over time, it reduces the chemical resistance of the epoxy system.

**CHEMICAL COMPOSITION:** Saturated polyester crosslinked with aliphatic polyisocyanate. **COLOR:** Clear.

**LIMITATIONS:** Do not use on unprimed substrate.

**COVERAGE RATE:** Each 1.5 gallon kit covers approx. 450 sq. ft. Coverage varies greatly depending on application technique, weather conditions, and type of substrate.

**CLEAN UP:** Isopropyl alcohol, MEK or acetone.

**THE PREFERRED EPOXY SYSTEM:** Use Preferred Deck's **Color Prime** (Step #1) and let dry overnight. Apply the **Color Coat** (Step #2) and while it's still wet, sprinkle **Color Chips** (Step #3 - Optional) onto the surface. Let dry 1 hour and sweep up chips. Scrape and clean surface and let dry overnight. If **Color Chips** were used, apply **Clear Poly Glaze** (Step #4) within 24 hours. Refer to the Application Instructions for the Preferred Epoxy Color Chip System for more details.

**APPLICATION RECOMMENDATIONS:** **Clear Poly Glaze** can be applied by brush, roller or airless sprayer at a rate of 275-350 sq. ft. per gallon with 3/8" or 1/2" nap roller cover. Heavier films will be glossier, thinner applications will be flatter. Foot traffic is allowed after an overnight cure. Vehicular traffic allowed after 5-7 days, depending on weather conditions.

#### Physical Properties

Mixing Ratio, by Volume: 2-1  
Solids Content, by Weight: 63.5%  
Solids Content, by Volume: 58.5%  
Volatile Organic Compounds: 420 grams/liter  
Viscosity, cps (77°): 500 average  
Pot Life (77°, 1 quart mass): 2 hours. Pot Life (95°): 1 hour  
Dry Times (77°):  
Dry to Touch: 4-6 hours      Recoat: 10-12 hours  
Light Traffic: 24 hours      Full Cure: 7 days

*Note:* Higher temperatures and lower humidity will accelerate cure times. Lower temperatures and high humidity will lengthen cure time.

#### Performance Properties

Gloss (60 degrees): 90-95  
Gloss (satin material, 60 degrees): 50-60  
Hardness (Sward): 30  
Tabor Abrasion: 34 mg. loss  
(1000 gm. load 1000 cycles, CS 17 wheel)  
Flexibility (ASTM D-222): passes 1/8 inch  
Impact Resistance (ASTM D-2794): passes 160 inch-pound

#### Chemical and Stain Resistance

(ASTM D-1308. 24-Hour Immersion)

Urine: No effect  
Blood: No effect  
Whiskey: No effect  
Black Ink: No effect  
Brake Fluid: No effect  
Gasoline: No effect  
Skydrol B-4: No effect  
Hydraulic Fluid #83282: No effect  
Mineral Spirits: No effect  
Xylene: No effect  
MEK: Film softened  
50% Sodium Hydroxide: No effect  
25% Hydrochloric Acid: No effect  
25% Sulphuric Acid: No effect  
25% Acetic Acid: No effect  
25% Nitric Acid: Film blistered

**Preferred Deck Systems**

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**MADE IN USA**





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### TECHNICAL DATA SHEET (cont.)

**MOISTURE VAPOR EMISSIONS/ ALKALINITY PRECAUTIONS:** All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Preferred Deck Systems and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

**SURFACE PREPARATION:** Do not apply **Clear Poly Glaze** directly to concrete. Adhere strictly to the Preferred Epoxy Surface Preparation Guidelines. Fully cured, previously coated surfaces must be cleaned and sanded lightly with 80-100 grit sandpaper or otherwise mechanically abraded before recoating. Make sure to apply **Clear Poly Glaze** within 24 hours after applying **Color Coat**. If more than 24 hours has elapsed (or if the coating cannot be indented with a fingernail) lightly sand the surface to insure inter-coat adhesion.

**MIXING INSTRUCTIONS:** Mix only the amount of material that can be used in a two hour period at 77°. Higher temperatures and the addition of accelerator will reduce work time. In hot weather, mix smaller batches. Premix Part A well before adding Part B. Combining ratio is 2 parts A to 1 part B. Proportion the amounts carefully and mix for two full minutes using a slow speed drill, scraping the bottom and sides of the mixing container. Material is normally applied as is, but it can be thinned with up to 15% MEK. Avoid contamination with moisture. Reseal partially used containers completely after use.

**SLIP AND FALL PRECAUTIONS:** OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Preferred Deck recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Preferred Deck or its sales agents will not be responsible for injury incurred in a slip and fall accident.

**WARNING:** Harmful if swallowed. Avoid contact with eyes and skin. Goggles and gloves are recommended. Avoid breathing mist or vapors. Use a MSHA/NIOSH approved respirator. Use with adequate ventilation.

**HANDLING PRECAUTIONS:** Material is combustible. Extinguish all flames, pilot lights and electric motors until all vapors are gone and the coating is hard. The vapor is harmful. Use only with adequate ventilation/or appropriate cartridge-type respirator. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

**FIRST AID:** INGESTION: Obtain medical attention at once. EYE CONTACT: Flush with clean water for 15 minutes and obtain medical attention. INHALATION: Remove to fresh air and obtain medical attention. SKIN CONTACT: Wash with soap and water. Obtain medical attention if irritation is severe or persistent.

**WARRANTY INFORMATION:** Preferred Deck products have a limited two year, non-transferable warranty. This warranty refers to such failures as flaking, peeling, chipping and is limited by the specific items listed below. All warranty issues will be investigated by Preferred Deck with the cooperation of the contractor who installed the product. The end-user may be present during this investigation process, but no investigation will occur directly with the end-user (without the presence of the contractor.) Preferred Deck will not under any circumstance be liable for damages in excess of the purchase price of the products used on the job. Preferred Deck is not liable for consequential or secondary damages resulting from the failure of a warranted item or the failure to provide service due to conditions beyond its control. **LIMITATIONS ARE DAMAGES CAUSED BY:** 1. The customer due to neglect, abuse, or lack of reasonable care. 2. Settling due to expansive soil, fill dirt movement, drainage, or alkali-silica reaction. 3. Acts of God. 4. Improper installation. All claims must be reported in writing to Preferred Deck within ten days.

#### **DISCLAIMER AND LIMITATION OF LIABILITY**

To the best of our knowledge, the information contained herein is accurate. The warranty described herein shall be in lieu of any other warranty, expressed or implied, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description of the face hereof. The Buyer's sole and exclusive remedy against the Seller shall be for the replacement of the products or refund of the purchase price in the event that a defective condition of the products should be found to exist. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available to the Buyer. The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the products or refund of the purchase price of the products if any defect in materials or workmanship is found to exist. The exclusive remedy shall not be deemed to have failed its essential purpose so long as the Seller is willing and able to replace the defective products or refund the purchase price. The Buyer must give the Seller notice in writing of any alleged defect covered by this warranty together with all identifying details, including the Product Code(s), description and date of purchase, within thirty (30) days of the discovery of the defect. Final determination of the suitability of the material for the use contemplated, the manner of use, and whether the use infringes any patents, is the sole responsibility of the Buyer. Dispose of unwanted material per federal, state, and local regulations.

**FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.**

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