CPR MATERIALS

TECHNICAL DATA SHEET

6000 URETHANE GLOSS WB

POLYURETHANE COATING

6000 Urethane Gloss WB is a two-component, water-based aliphatic polyurethane designed to enhance color and provide a glossy finish. It offers excellent adhesion, hardness, and resistance to abrasion, hot tire pick-up, and chemicals.
This product features a low VOC content and low odor, making it ideal for multiple applications.

APPLICATIONS

- Over Heritage Stain and Kolour Dye.
- Over other staining systems.
- Mechanical workshops and stores.
- Showrooms and offices.
- Many interior applications where a low-odor, glossy, and abrasion-resistant coating is required.

PHYSICAL PROPERTIES	
Solids/Active Content, Percentage by weight	40%
Pot Life	45 minutes
Dry Time - Tack Free	5 - 6 hours
Dry Time- Foot Traffic	16 - 20 hours
Dry Time- Heavy Traffic	4 - 7 days
Recoat Window	6 - 12 hours
Application Temperature	50º F - 80º F
VOC (Volatile Organic Compund) Content	Less than 125 grams/liter (A&B mixed)
Appearance - Dry	Transparent and glossy finish
Abrasion Resistance (ASTM 4060-81)	Loss of 38-40 mg
Flexibility, 1/8" Mandrel (ASTM D1737)	Approved
Pendulum Hardness (ASTM D-4336)	175
Gloss 60°	88
Water Resistance	Excellent

ADVANTAGES

- Its low viscosity allows for excellent wetting and penetration into the substrate.
- Provides superior resistance to many common chemicals, solvents, and hot tire marks.
- Offers excellent abrasion resistance, comparable to many solvent-based products.
- Its glossy finish and low odor make it ideal for various indoor applications.
- Can be tinted with Kolour Koat Urapack-WB to achieve a solid color.
- Complies with VOC regulations in most areas of the United States and Canada

Mix Ratio:

4 : 1

Shelf Life

1 year in original unopened container.

Storage Conditions

Store material between 50°F and 80°F.

Allways refer to SDS & read full tech data sheet and warranty information prior to use

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Applications instructions

MOUSTURE TEST

Concrete must be structurally sound, free of debris, and completely dry, with a minimum cure time of 28 days. Surface preparation is recommended through shot blasting or grinding with 30-grit or coarser diamond tooling to achieve a CSP-2 to CSP-3 profile. For thin mil systems such as dyes and sealers, 80-grit diamond tooling may be used to minimize visual marks.

Vacuum thoroughly multiple times, and if applying over a well-adhered coating beyond its recoat window, sand with 60-120 grit mesh. Ensure all dust is removed, rinse with clean water, and eliminate excess moisture. Before applying the coating, clean with acetone and a microfiber mop if necessary.

TINTING

Tint with Kolour Koat Urapack-WB (refer to the Technical Data Sheet before use). It is recommended to use 32 oz. per 2.5-gallon kit for a solid and opaque finish. Always add the color to Part A and mix for 2-3 minutes before blending Parts A and B.

The color may settle during long-term storage and can be difficult to redistribute. Always test for color acceptance before full application. Multiple coats may be required to achieve full opacity. Refer to the physical Kolour Koat color chart for color selection.

MIXING

If mixing less than a full kit, mix Part A and Part B separately using a stir stick, low-speed mixer, or by vigorously shaking the containers before measuring the smaller kit to ensure uniform distribution of all ingredients.

In a clean mixing container, blend 4 Parts A and 1 Part B using a drill mixer for 2-3 minutes. Avoid creating a vortex that could introduce air and/or moisture into the mixture.

Do not mix more material than can be applied within the pot life. DO NOT THIN

COVERAGE RATE

- First Coat Directly on Concrete: 200-300 ft² per gallon.*
- Second Coat - Over Existing Coating: 250-350 ft² per gallon.*

Coverage rates may vary depending on surface porosity, texture, application method, and previous coating application. Excessive build-up should be avoided.

⚠ **Highly Flammable Acetone:** Avoid open flames, sparks, heat sources, or static electricity. Wear appropriate protective equipment.

If mechanical preparation is insufficient, use a 4:1 water-to-muriatic acid solution, suitable only for bare, unsealed concrete. Apply the solution evenly and keep it wet for 10-15 minutes. Remove excess and rinse with clean water, using CPR Materials' Balance to neutralize the pH. Inspect the surface and repeat if necessary.

🌡 Application Conditions:

- Temperature: 50°F - 80°F.
- Drying Time: 24-72 hours before coating application.
- High temperatures and humidity accelerate curing, while cooler temperatures slow it down

APPLICATION INSTRUCTIONS

Use a brush and/or a 3/8" nap roller, dipping the mixed material from a roller tray. For faster application and reduced roller marks, 18" rollers are recommended.

1. Start by applying the material in a 4' x 4' square, rolling the material at an angle toward the opposite corner without applying pressure.
2. Spread the material evenly and reroll to smooth out the material and roller lines. Adjust the square size as needed based on the amount of material applied.
3. Move to the next square using the same technique, keeping a wet edge to avoid roller marks.

✅ Recommendation: Work in sections, using control joints as separators to ensure uniform application results.

- Apply the mixed material within the pot life. If the material thickens and sticks to the roller, stop applying and discard the mixed material, as it has reached the end of its usable life.
- Do not allow puddling. Use a brush to remove excess coating in the joints. An airless sprayer or HVLP can also be used.

APPLICATION RECOMENDATIONS

- Applying the material outside the recommended parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) to verify desired results before full application.
- Coverage rates may vary depending on the porosity, density, and texture of the substrate, as well as the type of coating. Always follow the suggested coverage rates to ensure optimal performance.
- Thin coats may lead to improper film formation, limiting durability and affecting the final finish.
- Thick application may result in bubbling, hazing, or surface imperfections.
- ❌ DO NOT APPLY ON BRICK.

RECOAT INSTRUCTIONS

- Whenever possible, recoat within the recommended recoat window indicated on Page 1. Apply additional coats using the same method as the first coat.
- High substrate, air, and material temperatures, as well as excess humidity, can significantly reduce the acceptable recoat time. In such cases, it is best to apply the next coat as soon as possible to avoid intercoat adhesion failure.
- If recoating outside the suggested window or after 24 hours, sand the surface using 60-120 grit sandpaper to ensure proper adhesion.
- Thoroughly vacuum the dust, rinse with clean water, and remove excess moisture using a wet/dry vacuum or floor scrubber. Ensure the surface is completely dry before applying the next coating.
- When appropriate and with proper ventilation, clean the surface with acetone and a microfiber mop.

Safety Standards and Anti-Slip Requirements

- OSHA laws and the Americans with Disabilities Act (ADA) have established mandatory standards for slip resistance on pedestrian surfaces. The required coefficient of friction by the ADA is:
- 0.6 on flat surfaces.
- 0.8 on ramps.
- CPR Materials recommends the use of anti-slip aggregates in all coatings or flooring systems exposed to wet, oily, or greasy conditions. It is the responsibility of the contractor and end-user to ensure that the flooring system complies with applicable safety standards.
- CPR Materials and its sales agents will not be liable for injuries resulting from slip and fall accidents. For interior floors exposed only to pedestrian traffic, Cherry Surf-Wax may be used as an acceptable anti-slip coating, meeting the requirements of ASTM D2047.

Precautions and Limitations

- ❄️ This product may freeze during storage. Store at temperatures above 40 °F.
- 🌀 Block all HVAC ventilation ducts before application to prevent solvent fumes from spreading.
- 🏠 If used indoors, ensure adequate ventilation during and for several hours after application to remove fumes.
- 🚫 Do not apply over carpet, tile, or other types of floor adhesives.
- 🖌️ This product works best when applied in one or two moderately light coats. Avoid applying thick layers.
- ⚠ Cured product may be slippery when wet. An anti-slip additive such as Surf-Grip can be added to reduce the risk of slipping.
- 🕒 New concrete must cure for at least 28 days before application.
- ❗ Do not thin the product. Improper thinning may cause the coating to peel off prematurely and lead to performance issues.
- ⚫ This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- 📊 The physical properties listed in this data sheet are typical values, not specifications
- 🧽 Cleaning: Use MEK or acetone to clean tools and surfaces. Dispose of containers in accordance with local, state, and federal regulations.
- 🗑️ Product Disposal: Cured and dry coating can be removed using:
- A commercial stripper.
- Diamond grinding,
- Sandblasting or other similar mechanical methods.
- 🕒 Storage: The product has a shelf life of up to one year from the date of manufacture when kept in its original, unopened container and stored at room temperature.
- 📦 Packaging: Available in 1.25-gallon and 2.5-gallon kits.
- 🧾 Technical Information: Always read the Technical Data Sheet (TDS), label, and Safety Data Sheet (SDS) before using the product. This information is available online or by calling customer service at the number listed below.

CHEMICAL RESITANCE	
Urine	R
Xylene	R
MEK	BC
Isopropyl alcohol	R
Methanol	R
Gasoline	R
Combustible Diesel	R
SkyDrol	R
Engine oil	R
Transmission fluid	R
Brake fluid	R
Hydraulic fluid	R

CHEMICAL RESITANCE	
Water	R
Sugar/Water	R
Chlorinated water	R
Chlorine (10%)	R
Water/Vinegar (5%)	R
Wine	R
Sodium hydroxide 25%	R
Muriatic acid 10%	R
Sulfuric acid 10%	R
Nitric acid 10%	NR
Phosphoric acid 10%	R
Hydrochloric acid 20%	R