

## DESCRIPTION AND USE

T2752 2K Polyurethane WB is an advanced, very low VOC water-based polyurethane coating system that provides superior performance and wear characteristics for Consolideck® coated floors and horizontal surfaces. 2K Polyurethane combines the latest in water based polyurethane chemistry technology to provide a tough medium- to high-gloss finish surface for added beauty to floors.

2K Polyurethane WB is both aesthetically pleasing and functional, as it protects the floor surface to increase the life of the floor. 2K Polyurethane is designed to resist chipping, flaking and peeling, providing years of trouble-free service. 2K Polyurethane WB can be applied as one coat for a semi-gloss finish or two coats for a high-gloss finish resulting in a durable, virtually maintenance-free coating that protects as well as it looks.

## ADVANTAGES

- High performance water-based urethane coating
- Good adhesion to concrete without use of primer
- Use on interior or exterior surfaces
- Stain and scratch resistant. Low VOC
- UV resistant. Long lasting durability
- Protects and maintains treated concrete from UV and moisture
- Breathable – treated surfaces “breathe”
- Excellent stain, chemical, abrasion and UV resistance
- Keeps soiling and contaminants from penetrating making maintenance faster, more effective and economical
- Perfect for floors hardened/densified with Consolideck® LS®, LS/CS® or Blended Densifier
- Adds depth and luster to colored concrete, including surfaces decorated with Consolideck® GemTone Stain or ColorHard

## LIMITATIONS

- All new concrete must be cured for at least 30 days before application.
- PROSOCO does not promote the coating of any sealant joints, nor is the sealant component an approved substrate.
- Not recommended for below-grade application.

## TYPICAL TECHNICAL DATA

### PART A

<b>FORM</b>	Milky liquid
<b>SPECIFIC GRAVITY</b>	1.02
<b>pH</b>	7.0 – 8.5
<b>WT/GAL</b>	8.86 lbs (mixed)
<b>TOTAL SOLIDS</b>	~45% (mixed)
<b>VOC CONTENT</b>	<5 g/L maximum, mixed
<b>FLASH POINT</b>	none
<b>FREEZE POINT</b>	not applicable
<b>SHELF LIFE</b>	6 months in tightly sealed, unopened containers

### PART B

<b>FORM</b>	Light yellow liquid
<b>SPECIFIC GRAVITY</b>	1.15 @ 68° F (20° C)
<b>pH</b>	8.0 – 9.5
<b>WT/GAL</b>	8.86 lbs (mixed)
<b>TOTAL SOLIDS</b>	~45% (mixed)
<b>VOC CONTENT</b>	<5 g/L maximum, mixed

<b>FLASH POINT</b>	Ca. 365° F (185° C)
<b>FREEZE POINT</b>	not applicable
<b>SHELF LIFE</b>	6 months in tightly sealed, unopened containers

## VOC COMPLIANCE

T2752 2K Polyurethane WB is compliant with the US Environmental Protection Agency’s AIM VOC regulations.

## PREPARATION

Protect people, vehicles, property and all surfaces not set for treatment from contact with product. Divert/protect auto and foot traffic. Apply to surfaces which are clean and dry. Care must be taken to keep contaminants off the surface prior to application. Unseen stains will be sealed in the film.

Ensure previous protective treatments are dry and thoroughly cured before beginning product application.

Use caution to limit overspray from surrounding areas, landscaping, hardscapes and structures. If over spray occurs, clean immediately with water. Do not allow the material to dry or removal will be difficult/impossible. Any dried over spray on glass should be carefully removed with a razor blade tool.

When preparing the surface by mechanical grinding, the floor can be ground open to a variety of grit levels to achieve a suitable profile. A minimum of 60 grit metals should be used with a maximum polishing level of 800 grit for proper adhesion.

To chemically prepare the surface for coating, PROSOCO SafEtch® is recommended. Follow product data sheet instructions for proper use.

### Surface and Air Temperatures

Surface temperatures should be at least 55° F (7° C) and rising, and should not exceed 100° F (38° C).

Do not apply when rain is imminent or expected within 12 hours or when the dew point is within 10 degrees of the temperature.

### Equipment

For best results use a high quality 3/8 inch nap roller or light-weight T-Bar applicator fitted with a woven fabric pad to even out appearance and to smooth out puddles.

For small scale applications, product may be applied using a solvent resistant brush. Contact Customer Care or your local PROSOCO representative for more information.

### Storage and Handling

**CAUTION: Do not close the lid on any unused, mixed material.**

Keep from freezing. Store unopened, airtight container(s) upright in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Do not open container until surface preparation work has been completed. Do not alter or mix other than as directed. Store at temperatures of 45–100°F (7–38°C). Container is hazardous when empty and may retain product residue. Do not reuse container or remove the label. Thoroughly empty and dispose of in a sanitary landfill (check local restrictions) or send to a properly licensed reconditioner.

## APPLICATION

Before use, read “Preparation” and the Safety Data Sheet.

**ALWAYS TEST** each surface for suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection. Include representative imperfections in the test area. Floor composition and surface finish affect final color.

### Dilution & Mixing

Use as packaged. Do not thin. 2K Polyurethane is a 2-component water-based polyurethane. Part A and Part B must be mixed thoroughly just prior to application. Avoid introducing air into the coating. Improper mixing may result in product failure.

1. Begin mixing Part A with a drill and mixing blade.
2. Slowly add Part B, keeping a good vortex the entire time.
3. Continue mixing for 2-3 minutes.

Once mixed, the material must be applied within 2 hours. Due to the nature of the material, workability is also limited to a two-hour period after it has been mixed.

Do not close the lid on any unused, mixed material.

### Typical Coverage Rates

Typical coverage varies based on surface texture and irregularities. Do not over apply. A cloudy film may occur. 2K Polyurethane is packaged in 0.9 gallon kits: Part A in 1-gallon containers and Part B in 1-quart containers.

Apply at a rate of 350–400 sq.ft. (32–37 sq.m.) per gallon per coat. Finish coats will vary depending upon desired look. Additional coats will increase gloss and deepen the final color.

Do not over apply as a cloudy film may occur.

### Application Instructions

Apply properly mixed material with a 3/8-inch nap high quality roller or T-bar applicator pad. Take care to maintain a wet edge when rolling. Back roll to force material into any voids and to achieve a pinhole free coating. Any/all tape should be removed immediately after the final application.

1. Properly mix 2K Polyurethane in accordance with mixing instructions above. Use within two hours after mixing.
2. Pre-wet roller or T-bar applicator pad with material.
3. Working from expansion joint to expansion joint, apply the product in a uniform, even application. Take care to maintain a wet edge to avoid lap marks. Do not let material puddle on the floor.
4. Back roll to force material into any voids and to achieve a pinhole free coating.
5. Any/all tape should be removed immediately after the final application. Allow to dry.

Two thin coats are recommended for maximum protection and shine. Repeat steps 1–5 to recoat.

### Curing & Drying

Pot life: 2 hours. Treated surfaces dry to the touch and can be recoated in 24-hours at 70°F (21°C) and 50% Relative Humidity. Product is usually fully cured after 10-14 days.

### Cleanup

Clean wet material and tools with water immediately after use. Dried material is extremely difficult to remove or clean.

## SAFETY INFORMATION



### DANGER

**HAZARD STATEMENTS:** May cause eye irritation. May cause skin irritation. May cause respiratory tract irritation.

**PRECAUTIONARY STATEMENTS:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing, gloves, eye, and face protection. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal, and provincial regulations.

**IF IN EYES:** Rinse cautiously with water for several minutes and remove contact lenses if present and easy to do. Continue rinsing and get medical attention if eye irritation persists. **IF ON SKIN:** Wash with plenty of soap and water. **IF SWALLOWED:** Rinse mouth and get medical attention if you feel unwell.

**OTHER INFORMATION:** 5% of the mixture consists of ingredient(s) of unknown toxicity.

### 24-Hour Emergency Information: INFOTRAC at 800-535-5053

**Shelf Life** is 6 months from the date of manufacture in tightly sealed, unopened container.

## WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose. PROSOCO Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** The purchaser shall be responsible to make their own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

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***CUSTOMER CARE***

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Factory personnel are available for product, environment and job safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States and Canada. Call Customer Care at 800-255-4255, or visit our website at [prosoco.com](http://prosoco.com), for the name of the representative in your area.



## T-PRODUCT EVALUATION FORM

*For T2752 2K Polyurethane*

T-2752 2K Polyurethane – a water-based based, 2-component system perfect for high traffic areas needing a high gloss, durable, stain resistant finish. This glossy topcoat protects flooring against stains, fading, and degradation caused by chemical spills or harsh UV rays.

T-2752 2K Polyurethane may be used on horizontal concrete surfaces to protect from water and a variety of staining agents and chemicals. T-2752 2K Polyurethane can be used in applications such as auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, chemical exposure areas, or high traffic decorative concrete floors.

With proper surface preparation and when properly applied, T-2752 2K Polyurethane can be applied to concrete without the need of a primer.

Please evaluate T-2752 2K Polyurethane alongside other high-gloss finish two-part polyurethanes and epoxies.

Online feedback is REQUIRED. Please read the questions below before starting your trial as this will help you determine what to look for. It is particularly important to note %RH and surface and air temperatures during application.

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### Observations:

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Have you used other 2K coatings before?

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If so, which ones?

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How was the substrate prepared prior to application?

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What was the air temperature during application?

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What was the temperature of the substrate during application?

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What was the % Relative Humidity during application?

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Was the T-2752 easy to mix?

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What equipment was used to apply T-2752?

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How many square feet were tested?

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What was your resulting coverage rate?

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How many coats were applied? Time elapsed between coats?

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Was the T-2752 easy to apply?

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How long did it take for the T-2752 to cure before walking on it?

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Was the overall appearance acceptable?

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Was the odor acceptable during application?

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Did you conduct stain testing after 7 days?

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Results?

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Other observations?

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### Applicator Information (Optional):

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Name:

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Company:

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**PROSOCO**

**T-PRODUCT EVALUATION FORM**

*For T2752 2K Polyurethane*

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PROSOCO

Rep/Manager:

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Project Information (Optional):

Project

Name:

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Address/City/State:

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If you have photos, please attach them.

Thank you for your interest in PROSOCO products and helping us develop the best chemical products available to the construction industry. We value your opinions and feedback. Please take a few minutes to use this form to collect feedback during testing, then enter this data into the online form at <http://prosoco.com/feedback> and attach photos to complete the feedback process. Online feedback is REQUIRED.

If you have further questions, please contact:

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