



**LIQUID RUBBER**

# DECK COATING APPLICATION GUIDE



Liquid Rubber Deck Coatings offer an easy to DIY brush-on/roll-on, high-performance, waterproof membrane. **Liquid Rubber Cool Foot Deck Coating** will reduce heat transfer by up to 35% compared to regular paint and **Liquid Rubber Polyurethane Deck Coating** provides superior abrasion resistance and is available in both a smooth and a textured version (for added slip resistance). Liquid Rubber Deck Coatings cure into durable, seamless, attractive waterproof membranes that contain no solvents, and are non-toxic. Your cured membrane will have excellent solar reflectivity, UV stability and will remain color steadfast for years.

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1150 Eighth Line Unit 16. Oakville, ON L6H 2R4  
1-855-592-1049 • support@shopliquidrubber.com  
[www.shopliquidrubber.com](http://www.shopliquidrubber.com)



## PREPARATION

**Liquid Rubber Cool Foot and Polyurethane Deck Coatings** are the ideal solution to preserve and protect your deck from rain, snow, salt, and intense sunlight.

**Liquid Rubber Polyurethane Deck Coating** offers the option of a smooth or textured finish and **Liquid Rubber Cool Foot Deck Coating** will provide a cooler surface that offers greater comfort for walking on (reduces heat transfer up to 35%).

Both products are available in a variety of colors and are commonly applied to wood and concrete, but the Polyurethane Deck Coating can also be applied to sheet vinyl, fiberglass, and other decking materials. Other uses include railings, fences, floors, steps, ramps, walls, and patio furniture.

### Inspection:

All surfaces must be structurally sound, clean, dry, and free from contaminants that would prevent proper adhesion.

Be sure that the deck surface is properly sloped to allow for positive drainage. Not suitable for areas with ponding water.

If not using kiln dried wood, be sure that the new wood is sufficiently dried (less than 15% relative humidity), this can take weeks to months (kiln dried wood should be dry enough). Put a couple of drops of water on the surface of the dry wood. If it absorbs it is dry enough, if it beads up there is too much moisture and it needs additional drying time or additional surface preparation.

Chemically treated wood should be dried out and thoroughly cleaned to remove treatments from the surface to which you will apply your Liquid Rubber Solution and allowed to dry. Concrete must be cured for a minimum of 28 days. All defects should be repaired and cured prior to coating.

### General Preparation & Cleaning:

*(Prep is 90% of the job!)*

#### Concrete:

Should be etched using **Liquid Rubber Concrete Etch** (or equivalent), power washed and allowed to fully dry. Be sure to perform a moisture test on the concrete prior to application. Refer to moisture test guidelines.

#### Wood:

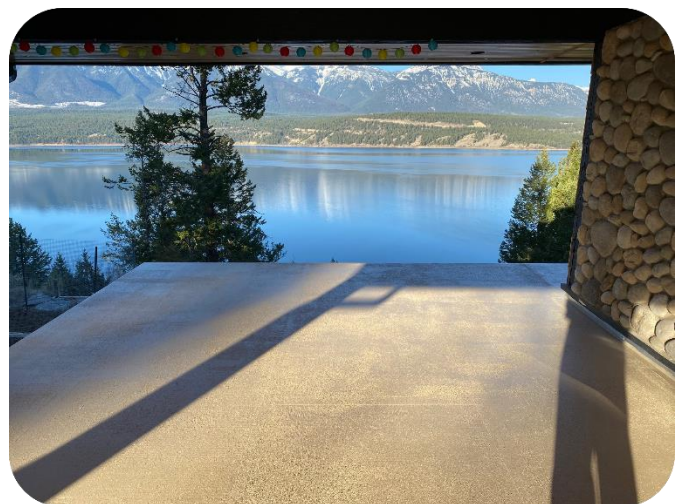
Mildew and organic growth must be removed using **Liquid Rubber Deck and Patio Cleaner**. Secure raised nail heads, deck screws and loose boards. Pre-fill imperfections such as screw holes, knots, and splits in the wood with a high-quality wood filler. Replace damaged and rotting boards and remove loose splinters.

#### For Fiberglass or Vinyl:

Scuff the surface with sandpaper to remove all shine, clean with **Liquid Rubber Deck and Patio Cleaner**, allow to dry completely and wipe with a white rag that has been dampened with acetone to condition the surface.

#### General:

Cracks, joints, voids, etc. (1/8" or larger) should be pre-filled. Remove silicone and loose/cracked caulking, if present, and replace with **Liquid Rubber Sealant & Adhesive** or other suitable patching material.





## DETAIL WORK

### Reinforcement:

Bridge seams, flashing and hairline cracks, using the **3-course method of Liquid Rubber Multi-Purpose Primer – Liquid Rubber 4" Geo-textile - Liquid Rubber Multi-Purpose Primer**. Apply a generous 6" wide coat of **Liquid Rubber Multi-Purpose Primer** across the seam and while still wet, embed the Geo-textile fabric. Smooth out wrinkles and apply a second coat on top, taking care to fully saturate the Geo-textile. Allow to dry before application of the coating, Approx. 1-2 hours. (Geo-Textile is a structural element and will remain visible)

### As An Alternative Method:

You can caulk the seams with **Liquid Rubber Sealant & Adhesive** (or equivalent) instead of reinforcing with Geo-Textile. This will eliminate the look of the Geo-Textile but comes with greater risk of cracking at the joint, seam, corner, etc. and you should be prepared to touch up the areas if necessary.

*(Remember, these are the area's most likely to leak so pay special attention to the details, nobody wants to do it twice!)*



## APPLICATION

### Masking:

Tape-off, block off or otherwise mask areas that are not to receive coating. Remove masking while the coating is still wet.

### Application:

Do not apply products if rain is expected within 24 hours. Using a 3/8" (10mm) microfiber roller, apply **Liquid Rubber Multi-Purpose Primer** to the entire surface at a coverage rate of approx. 175 to 200 ft<sup>2</sup>/gal. For edges, corners and between wood boards, apply using a nylon/ polyester brush. Allow the primer to dry until dry to the touch (approx. 1-2 hours). Apply your selected Liquid Rubber Deck Coating when air and surface temperatures are between 10-30°C (50-86°F). Avoid applying in high humidity over 80% or direct, intense sunlight. Apply multiple coats, allowing approximately 4-6 hours drying time between coats. Be sure to seal around posts with **Liquid Rubber Sealant & Adhesive**. High humidity will extend curing times. You can re-coat when the material is dry to the touch with nothing wet underneath and is uniform in color.

### Inspection:

Inspect for pinholes, blisters, voids, thin spots, or other defects. Repair as necessary.

### Dry/Cure Time:

**Polyurethane Deck Coating:** Allow 72 hours after the last coat for light foot traffic. Allow 5-7 days after the last coat before placing furniture on the coating.

**Cool Foot Deck Coating:** Allow 48 hours after the last coat for light foot traffic. Allow 5-7 days after the last coat before placing furniture on the coating.

### Coverage:

Apply your selected deck coating at a minimum final thickness of 1 gallon per 50 ft<sup>2</sup> (4.7 m<sup>2</sup>). It should require around 3-4 heavy coats. High traffic areas and porous substrates require 1 gallon per 30 ft<sup>2</sup> (2.8 m<sup>2</sup>).



## APPLICATION TIPS

- Apply using a 3/8 (10mm) roller or brush.
- Apply to clean, dry surface that is free of dirt, silicone, loose paint, rust, oil, grease, coal tar, or other contaminants.
- Apply when the temperature is above 10°C/50°F (including overnight).
- Use **Liquid Rubber Deck and Patio Cleaner** to clean the surface.
- Use **Liquid Rubber Concrete Etch** to etch concrete.
- For extra adhesion, performance, and longevity and to create a moisture vapor barrier, it is necessary to use 1 heavy coat of **Liquid Rubber Multi-Purpose Primer**.
- Brush products between deck boards.
- Apply each coat in an alternate direction to the last coat to ensure even coverage. (one direction only for deck boards)
- Apply the final coat in the direction of slope for positive drainage.
- Apply the next coat when dry to the touch with nothing wet underneath and is uniform in color. (typically 4-6 hours)
- Avoid hot, direct, intense sun when applying.
- Avoid contact with solvents and solvent based cleaners, adhesives, and paints.
- Do not allow to freeze until fully cured.
- Wrap brushes in plastic to use for the next coat.
- Do not combine Black products with Colored products.
- Curing time depends on temperature, humidity, and airflow.
- Do not apply in wet conditions (including fog and dew) or if rain is forecasted within 24 hours.
- Make sure what you're coating is at least 5 degrees above the dew point of the environment you are coating in. (See technical specs for more details)
- Wait 3 days for light foot traffic.
- Wait 5-7 days before placing furniture back on the surface.
- For best results remove existing paints/coatings and apply directly to the substrate. (Some paints and coatings will not be compatible. Loose/flaky paint may be an indication that the existing paint/coating is not well bonded and therefore your Liquid Rubber solution may fail if applied over it instead of directly to the substrate. Oil based paints, enamels, epoxies, powder coats can be difficult to bond to. Contact your Liquid Rubber technical representative for further direction.)
- It is always a good idea to apply a small test patch in an inconspicuous area to ensure adequate adhesion prior to full application.
- As an alternative method: You can caulk the seams with **Liquid Rubber Sealant & Adhesive** (or equivalent) instead of reinforcing with Geo-Textile. (greater risk of cracking).
- See website for videos and technical support.





## **CLEAN UP** - *It turns out that cleaning up your mess is not nearly as fun as making one, so follow these rules.*

- Always organize yourself and your work area to reduce the potential for spillage and other accidents.
- Set out a tarp or large piece of cardboard to keep containers and tools on, when not in use. Make sure you have a pail of soap and water and rags on hand so you are ready when an accident occurs.
- Soak up as much material as possible with rags.
- Clean immediately with soap and water.
- If dried, scrape off as much as you can. (with a razor/scrapper/etc.)
- Use an appropriate tool to mechanically remove (wire brush, grinder, etc.)

## **PHYSICAL PROPERTIES**

### **Polyurethane Deck Coating**

Color (liquid)	Assorted colors
Hardness Dur 00	98
Tensile Strength	2000 psi.
Elongation	200%
Working Temperature Range	-40°C to +80°C
Water Absorption (EN1062)	0.005kg/m <sup>2</sup> hr0.5
Adhesion to wood	23 psi.
Adhesion to Concrete	24 psi.
Adhesion to Steel	25 psi.

### **Cool Foot Deck Coating**

Color (liquid)	Assorted Colors
Hardness Dur 00	97
Tensile Strength	600 psi.
Elongation	50%
Working Temperature Range	-40°C to +40°C
Water Absorption (EN1062-3)	0.0040kg/m <sup>2</sup> hr0.5
Adhesion to Wood	22 psi.
Adhesion to Concrete	23 psi.
Adhesion to Steel	16 psi.

## **PACKAGING**

- 205 L (55 Gal.) Plastic Drum
- 18.9 L (5 Gal.) Pails
- 15.1 L (4 Gal.) Pails
- 3.78 L (1 Gal.) Cans

## **OTHER USES**



**PATIO FURNITURE**



**FENCES**



**TRAILERS**



**BOAT DECKS**