



**LIQUID RUBBER**

# EXTERIOR FOUNDATION APPLICATION GUIDE



**Liquid Rubber Foundation Sealant** and **Color Sealant** are the first line of defense for protecting your home's foundation. For poured concrete, concrete masonry units (CMU's), insulated concrete forms (ICF's), pre-cast and permanent wood foundations (PWF's). This easy to apply waterproof membrane will eliminate the effects of water, extending the life of your foundation.

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## PREPARATION

Liquid Rubber waterproof solutions are so easy to install, anyone can do it! Follow the steps detailed below to ensure proper installation of your high-performance Foundation Coating. Surface preparation is the most important step in any successful coating installation. It is always recommended to waterproof the exterior whenever possible.

### Inspection:

All surfaces must be structurally sound, clean, dry, and free from contaminants that would prevent proper adhesion. Cracks, joints, voids, etc. (1/8" or larger) should be pre-filled with a suitable patching material such as a high-quality wood filler, concrete patch material or **Liquid Rubber Sealant & Adhesive** (or equivalent).

### Concrete:

Should be allowed to cure for at least 28 days. **Liquid Rubber Foundation Sealant** can be applied over aged solvent-based existing coatings. Foundation cracks can be an indicator of structural damage. Consult a professional. Be sure to perform a moisture test on the concrete prior to application. Refer to moisture test guidelines.



### Wood:

Secure raised nail heads, screws, and loose panels. Pre-fill imperfections such as screw holes, knots, and splits in the wood with a high-quality wood filler or with **Liquid Rubber Sealant & Adhesive**. Replace damaged and rotting wood and remove loose splinters.

### ICF:

Rasp the surface to remove oxidized material and create surface profile.

### General Preparation & Cleaning:

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

Grind sharp edges. Repair voids, honeycombing, cracks and flaking concrete. Surface must be free of dirt, form-release and curing compounds, oil, grease, laitance, spalling, efflorescence, frost, and existing flaking coatings.

### Clean the surface:

Mildew and organic growth must be removed using **Liquid Rubber Deck and Patio Cleaner**. If already coated, remove any loose/flaking material. Test compatibility before applying your Liquid Rubber Solution. **Liquid Rubber Multi-Purpose Primer** may be required to bond to an existing coating or provide a moisture vapor barrier. A test patch is recommended to confirm adhesion prior to full application.

## DETAIL WORK

### Liquid Rubber 3-Course-Method:

For all cracks less than 3mm (1/8"), cold-joints, non-monolithic inside/ outside corners, pipes, wall/slab, wall/footing, and wall/ wall junctures apply a thick 6" wide coat and embed 4" wide **Liquid Rubber Geo-Textile** reinforcement fabric followed by a second coat (known as the **3 Course Method**). For all cracks greater than 3mm (1/8") prefill with **Liquid Rubber Sealant & Adhesive** or other appropriate patching materials prior to 3 Course Method. Ensure the surface is smooth and flush and that patching materials have cured as per manufacturer's recommendation prior to application of your Liquid Rubber Solution.

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





## APPLICATION

### Termination:

Tape-off, block-off, or otherwise mask areas that are not to receive your selected sealant. Remove tape while sealant is still wet.

### Application:

Apply your selected sealant when temperature is above 10°C/50°F including overnight. Use a brush, roller, or heavy-duty hydraulic piston spray rig (very thick/viscous material) at a final coverage of 20 ft<sup>2</sup> per G (1.9 sq/m) or 100 ft<sup>2</sup> per 5G pail 40-50 mil. (1-1.3 mm) (DFT) membrane. Generally you can apply 2 generous coats per day. Apply the next coat when dry to touch, is uniform in color and nothing is wet underneath. Tacky is OK. Apply all recommended material. Membrane should be a minimum of 12" above finished grade and down the base of the slab/footing.

### Inspection:

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

### Protection:

Allow 48 hours to dry before backfilling. It is recommended to apply protection board or drainage board to protect your coating from other trades and work, during backfill, and from thermal expansion and contraction during its life.



## COVERAGE RATES

### FOUNDATION SEALANT:

**Benefits:** Most cost effective. Choose for below grade and not exposed to UV applications.

**Exterior Foundation Wall:** Apply a minimum final thickness of 1 gallon per 20 sq ft (1.9 sq/m). It should require around 4-5 heavy coats to achieve a 40-50 mil. (1-1.3 mm) (DFT) membrane. (not meant for long-term UV exposure.)

**Re-coat time:** 6-8 hours.

**Cure:** 24-48 hours.

### COLOR SEALANT:

**Benefits:** Comes in Various Colors/Solar Reflective (varying degrees) - Choose when greater elongation/UV stability is needed, and a color is desired.

**Exterior Foundation Wall:** Apply a minimum final thickness of 1 gallon per 20 sq ft (1.9 sq/m). It should require around 4-5 heavy coats to achieve a 40-50 mil. (1-1.3 mm) (DFT) membrane. (not meant for long-term UV exposure.)

**Re-coat time:** 6-8 hours.

**Cure:** 24-48 hours.



## APPLICATION TIPS

- Be sure to consult local building codes prior to application.
- Apply using a 3/8 (10mm) roller, brush, or appropriate paint sprayer.
- Apply to clean, dry surface that is free of dirt, silicone, loose paint, rust, oil, grease, coal tar, or other contaminants.
- Apply when temperature is above 10°C/50°F (including overnight temperatures).
- For extra adhesion, performance, and longevity and to create a moisture vapor barrier, use 1 heavy coat of **Liquid Rubber Multi-Purpose Primer**.
- Use **Liquid Rubber Sealant & Adhesive** for gaps and cracks.
- Apply each coat in an alternate direction to the last coat to ensure even coverage.
- Apply next coat when dry to the touch with nothing wet underneath and is uniform in color. (refer to product data sheet for dry times)
- Avoid contact with solvents and solvent based cleaners, adhesives, and paints.
- Do not combine Black products with Colored products.
- **Foundation Sealant** and **Color Sealant** are not meant as a walking surface. Will remain soft and tacky.
- Wrap brushes in plastic to use for the next coat.
- Remove painters tape/blocking while the coating is still wet.
- Do not allow to freeze until fully cured.
- **Foundation Sealant** not meant for long term UV exposure.
- Initial cure (set) within 24-48 hours as per specific product recommendations.
- Curing depends on temperature, humidity, and airflow and specific products used.
- Extend rain gutters and slope grade away from your building.
- Ensure weeping tile is working properly channeling water away from your building.
- 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)
- 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.





## 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.
- Soak up as much material as possible with rags.
- If dried, scrape off as much as you can, (with a razor/scrapper/etc.) then scrub with a brush/wire brush, etc.
- **Colored Products:** Clean with soap and water.
- **Bitumen:** Clean immediately with mineral oils/ baby oil for hands and use odorless mineral spirits for surfaces to weaken the material and an appropriate tool to mechanically remove (wire brush, grinder, etc.)
- (test in an inconspicuous area first to ensure no discoloration)
- If dried, scrape off as much as you can. (with a razor/scrapper/etc.)

• **Warning:** Mineral spirits can spread the stain, be sure to use sparingly, in a controlled manner, and to follow the manufacturers safety recommendations.

## PACKAGING

- 1000 L (264 Gal) IBC Tote
- 205 L (55 Gal.) Plastic Drum
- 18.9 L (5 Gal.) Pails
- 3.78 L (1 Gal.) Cans



## OTHER USES



UNDER CONCRETE PATIOS



PLANTER BOXES



JOISTS



SHOWER LINERS