



LIQUID RUBBER

EXTERIOR FOUNDATION

APPLICATION GUIDE

Time to Complete

Application time:
48-72 hours

Cure time:
72 hrs

Difficulty

Beginner

Products Needed

3-4

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A DRY HOME STARTS WITH A WATERTIGHT FOUNDATION



Liquid Rubber Foundation Sealant creates a seamless, waterproof barrier to protect your foundation from moisture damage. Easy to apply, it helps prevent leaks, cracks, and deterioration, keeping your home dry.



STEP 1: BEFORE YOU BEGIN IDENTIFY YOUR SURFACE

Liquid Rubber Foundation Sealant & Color Roof Sealant are the last line of defense for protecting your home's foundation.

These products can be used on:

- Poured concrete
- Concrete masonry units (CMU's)
- Insulated concrete forms (ICF)
- Pre-cast, and permanent wood foundations (PWF's)



These easy to apply waterproof membranes will help to prevent the intrusion of water into your living or storage space, resulting in mold and/or water damage to your property.

Follow the steps detailed below to ensure proper installation of your high performance foundation coating.

*Do not apply over Coal Tar



****Refer to building code requirements in your area****

If you need any help along the way, reach out to our Product and Application Support Team by phone: 1-855-592-1049 or email: Support@ShopLiquidRubber.com We can walk you through the whole process.



PICK THE RIGHT PRODUCTS:

SELECT YOUR SEALANT

1. **Foundation Sealant** - Black (*not meant for long term UV exposure*)
2. **Color Roof Sealant** - Variety of color options including clear (*UV resistant - use above soil line*)

PICK THE RIGHT PRODUCTS FOR PREP

1. **Liquid Rubber Multipurpose Cleaner**
2. **Liquid Rubber Concrete Etch** - to remove laitance
3. **Liquid Rubber Sealant & Adhesive Caulk** - Cracks, joints & voids
1/8"-1/2" (*maximum depth of 1/2"*)
4. **Liquid Rubber Geo-Textile** - embed in coating over cracks and seams

ADDITIONAL SUPPLIES

- Pressure Washer
- Grinder/ Chisel (*to remove sharp edges*)
- Gloves
- Disposable nylon bristle brushes
- Disposable 3/8" microfiber rollers
- Caulking gun
- Mineral Spirits or Acetone
- Mineral oil or Baby Oil
- Scrub brush or stiff broom
- Water source



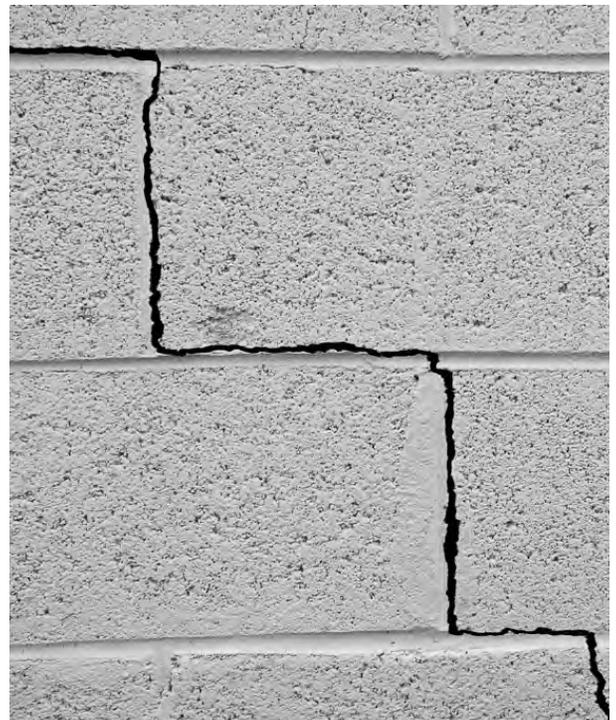
INSPECTION

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

Concrete: Should be allowed to cure for at least 28 days. Liquid Rubber Foundation Sealant can be applied over aged solvent-based existing coatings. Make any necessary repairs and allow repair material to fully cure. Knock off/grind down sharp edges. *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. Concrete should be free of laitance or efflorescence and have less than 5% moisture content. Refer to moisture test guidelines on concrete by [clicking here](#).

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

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. Wood should have less than 15% moisture content. Refer to moisture test for wood by [clicking here](#).





STEP 2: ONCE YOU HAVE YOUR SUPPLIES

WEATHER & WHEN TO APPLY

- Apply in dry, warm temperatures between 50°F to 86°F (10° to 30°C), including air, surface and overnight temperatures
- Do not apply in wet conditions or if rain is forecasted within 24 hours
- Make sure you have 6-8 hours dry time in recommended conditions before fog or dew sets in.
- Apply below 80% humidity
- Make sure what you are coating is at least 5 degrees above the dew point of the environment ([Click here for more info](#))
- Cooler Temperatures and high humidity may extend dry & cure times.

SET UP & CLEAN UP:

Stay organized and limit clean up by following these setup tips:

1. Set out a tarp or large piece of cardboard to keep containers and tools on when not in use.
2. If there is a spillage, soak up as much material as possible with rags.
3. Clean off skin immediately with baby oil/mineral oils Clean your **Color Roof Sealant** spillages with soap and water as much as possible.
4. **Foundation Sealant** should be cleaned up with rags as soon as possible. Use mineral spirits or acetone to weaken surface if needed. May spread stain or damage surface, use Sparingly.
5. If the spillage dries, scrape it off with a razor/scrapper/etc and use a wire brush to remove.
6. Do not use solvents or solvent based cleaners, adhesives, and paints near your working area.
7. Wrap tools in plastic to keep them moist between coats (kitchen wrap is fine). Best to use disposable brushes and rollers.
8. Refer to the product Safety Data Sheet for personal protective equipment recommendations.

**Test inconspicuous area first to ensure compatibility and no discoloration on surface*



STEP 3: PREPARE THE AREA

PREPARATION & CLEANING:

Liquid Rubber products must be installed on a clean, dry, and structurally sound surface that is free of sharp edges, dirt, debris, oil, grease, coal tar, mastics, flaking paint, silicone, or other contaminants.

1. If previously painted or coated, **remove** any loose or flaking material.
2. **Clean** the surface well. Using **Liquid Rubber Multipurpose Cleaner**. (see next page)
3. If Laitence is present, use **Liquid Rubber Concrete Etch** to prep the surface (see next page)
4. Once the surface is **dry**, it is recommended to perform a moisture test.



USING MULTIPURPOSE CLEANER:

1. Wet the surface lightly
2. Apply cleaner with sprayer or spread with a brush to the surface.
3. Allow Cleaner to sit on the surface for 5-10 minutes without letting it dry.
4. Scrub the surface with a stiff bristle brush
5. Rinse thoroughly with clean water
6. Repeat if necessary



USING CONCRETE ETCH:

1. Use a pressure washer to clean the surface and remove any standing water.
2. Mix 1 pack of **Liquid Rubber Concrete Etch** with 4/5 of a gallon (3L) of warm water in a plastic pail or chemical-resistant sprayer. Stir until fully dissolved.
3. Apply the etching solution to damp concrete using a sprayer or stiff broom and scrub for 1–2 minutes until slight foaming occurs.
4. Leave the solution on for 30 minutes, scrubbing occasionally. Keep the surface wet and reapply solution if needed.
5. Rinse thoroughly with a pressure washer and let the concrete dry completely. This may take up to 48 hours, depending on temperature and humidity.

*Etched surfaces should feel like 150 medium-grit sandpaper. Repeat the process if the concrete is very smooth or power-troweled.



STEP 4: DETAIL WORK

FILLING SEAMS, JOINTS AND IMPERFECTIONS:

1. Fill cracks and joints $\frac{1}{8}$ " - $\frac{1}{2}$ " with **Liquid Rubber Sealant & Adhesive Caulking**. Allow to 24 hours to dry before coating over.
 - a. Fill to a maximum depth of $\frac{1}{2}$ " - Install foam backer rod if needed to control depth.
2. Cracks or holes larger than $\frac{1}{2}$ " should be filled with patching material (ie. concrete patch - must allow to fully cure before coating)
3. Bridge cracks, joints and seams with **Liquid Rubber Geo-Textile** using the 3 course method.
 - a. The 3 course method is done by applying a 6" wide coat of Liquid Rubber Sealant and then laying the 4" Liquid Rubber Geo-Textile into the wet coating followed by a 6" wide coat of Sealant over the Fabric. (Sealant > Geo-Textile > Sealant)
 - b. Keep the fabric smooth and free of wrinkles.



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



STEP 5: APPLY THE COATING

HOW TO APPLY LIQUID RUBBER SEALANT

Once your preparation is complete you can begin your full field application.

1. Use **masking tape** for areas not to be painted and remove tape while the coating is still wet. (*Reapply masking tape for each coat*)
2. Mix product well with large stir stick or drill with paddle attachment for 3-5 minutes
3. Begin applying your selected Liquid Rubber waterproof coating in manageable sections (i.e. 10ft x 10ft). Lap onto adjoining sections maintaining a wet edge. (When lapping onto a dry section, overlap by 4-6 inches).
4. As you go, inspect each coat for blisters, pinholes, and imperfections and repair as necessary.
5. Allow 6-8 hours between coats (*dry to the touch and uniform in color - tacky surface is ok*) Apply additional coats in alternating directions to help ensure uniform membrane thickness.
6. **Apply total recommended material to build up the membrane thickness. Using less will not protect your foundation.**

- Remove painter's tape while the coating is still wet. Apply masking tape for each coat (*or just stay shy of the termination line*). If the coating has dried too much, score/cut along the masking tape line before pulling to prevent lifting the coating
- Apply all recommended material (*final coverage*) to achieve your waterproof membrane.
- Allow to cure completely before back filling. Generally 48 hours from the last coat.

HELPFUL TIPS

- Use disposable gloves
- Apply all recommended material at a final coverage of 20 ft² per gallon (1.9m²) or 100 ft² per 5 gallon pail 40-50 mil. (1-1.3 mm) (DFT) membrane.
- Foundation Sealant is not meant for long term UV exposure.
- Do not combine Liquid Rubber Foundation Sealant with any Color Roof Sealants
- Installing dimple board/protection board will help protect your coating from erosion, protect it from damage during backfill, and extend it's lifespan.
- Generally you can apply 2 generous coats per day.
- Extend rain gutters and slope grade away from your building.
- Ensure weeping tile is working properly channeling water away from your building.
- It is always a good idea to apply a small test patch in an inconspicuous area to ensure adequate adhesion.
- Store at above 41°F (5°C), out of direct sunlight and do not allow to freeze until fully cured.

Not meant for walking surfaces



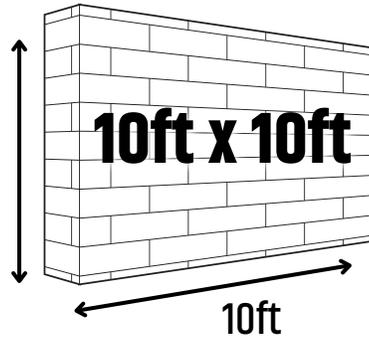
PRODUCT COVERAGE

Use our Exterior Foundation **Kit builder** to calculate how much you need [\[click here\]](#).



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10ft



Apply 5 gallons for:
= 100ft²

FOUNDATION SEALANT

COVERAGE

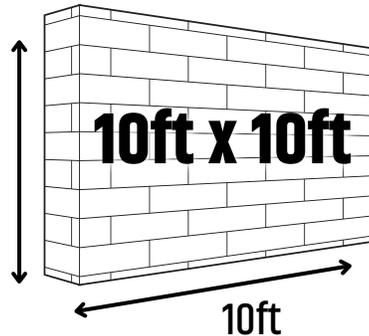
1 Gallon = 20 FT²

5 Gallon = 100 FT²



=

10ft



Apply 5 gallons for:
= 100ft²

COLOR ROOF SEALANT

COVERAGE

1 Gallon = 20 FT²

5 Gallon = 100 FT²

IMPORTANT NOTE:

Coverage rates shown are TOTAL amounts needed for proper protection - not per coat.

You will need to use the full amount to reach the required thickness. Use our kit builder to make sure you have the right amount for your project.





PRODUCT COVERAGE



MULTIPURPOSE CLEANER

COVERAGE

1 Gallon = 200-400 FT²



GEO-TEXTILE

COVERAGE

4IN X 160FT ROLL



SEALANT & ADHESIVE

WHITE & CLEAR

COVERAGE

1/4" BEAD = 24 LINEAR FEET

