



Liquid Rubber

HOME RESTORATION

RV Roof Coating Application Guide



RV Roofs are notorious for leaking. Whether it's a vent, skylight, tear or slide; it never seems to end. Liquid Rubber's products provide you with easy DIY tools to keep your RV dry, eliminating the need for costly service calls.

The best roof leak is the one that never happens. This can only be accomplished with regular roof maintenance to reflect the sun's heat, UV rays, and protect/seal the surface.

PREPARATION

Installing **Liquid Rubber RV Roof Coating** is simple and easy! Follow the steps detailed below to ensure a proper installation of your high-performance coating. Surface preparation is the most important step in any successful coating installation.

Liquid Rubber RV Roof Coating can be applied to most substrates

including metal, aluminum, wood, some plastics, fiberglass, EPDM, PVC, and bonds well to most coatings.



Identify your roof material:

Fiberglass and metal are easy to spot, but here is how to identify your sheet membrane roofs.

TPO: Typically, white in color, is usually shiny and has a plastic feel. Do Not apply Liquid Rubber products over a TPO surface without specialized Primer.

EPDM: Colors can vary from black to grey to white. Almost always has a smooth rubbery feel. It is also one of the thinnest materials (going down to .41 mm).

PVC: Typically found in white, but can come in grey, tan, and cream colors. PVC can easily be mistaken for TPO.

If you are unsure as to which roofing material you have, it is best to call the manufacturer to verify. For EPDM use **Liquid Rubber EPDM Primer**. For most other substrates, use **Liquid Rubber Multi-Purpose Primer**.

Inspect: Inspect caulking (lap sealant) and seams for shrinkage. Replace caulking/sealant as necessary prior to waterproofing (silicone caulking should be removed and replaced; our products are not compatible with silicone). Look for physical damage such as tears, holes, and dents where water pools. Inspect your interior for water damage. If you have fiberglass check for cracks. Use a fiberglass patch kit to repair prior to waterproofing.

Inspections should be performed regularly to identify small problems before they become big problems. It is best to apply **Liquid Rubber RV Roof Coating** before you have a leak. This kind of preventative maintenance can save you the cost of repairs involved in water damaged interiors and electrical/mechanical components.

General Preparation & Cleaning: Use **Liquid Rubber RV Smart Cleaner** to remove surface contaminants. Ready to use. Do not dilute. Sweep surface clean. Wet surface lightly with a garden hose. Apply **Liquid Rubber RV Smart Cleaner** generously using a brush, roller, or spray equipment. Allow the

solution to stand for 5-10 minutes. Work into the surface using a stiff bristle brush. Scrub a small section first to determine if area is cleaned. For best results, rinse thoroughly using a pressure washer or garden hose. For stubborn stains, repeat application.

Rinse the surface: Rinse the sides and surface of your RV using a high-pressure spray nozzle & garden hose or power washing and allow to fully dry. For EPDM or PVC membranes, wipe down the surface with a clean white rag that has been dampened with acetone. This will remove migrating plasticizers and condition the surface to receive the **Liquid Rubber EPDM Primer**. Use **Liquid Rubber Multi-Purpose Primer** for PVC, aluminum and fiberglass roofs.

DETAIL WORK

TIP: Pull your masking tape while coating is still wet. You may re-tape or stay shy of the termination line on your following applications. If you allow your coating to dry too much, you can score/cut along the tape line before pulling to prevent the chance of lifting the coating.

Detail Coats: Detail areas may include vents, skylights, etc. Pre-cut **Liquid Rubber Seam Tape** to desired length and fit. Remove plastic backing before applying (be careful not to stretch the seam tape when removing the backing). Apply **Seam Tape** to all seams at perimeter and protrusions (vents, skylights, etc. Use pressure to activate adhesive leaving no wrinkles or fish-mouths. Overlap separate pieces of **Seam Tape** by at least 1 inch. Prime detail roof areas (not the **Seam Tape**) with the **EPDM primer**. When dry (tacky when cured), apply a heavy detail coat of **Liquid Rubber RV Roof Coating** over the **Seam Tape** to encapsulate (at least 1 inch beyond the edges of the Seam Tape). Allow to dry.

APPLICATION

Termination: Tape-off, block off or otherwise mark areas that are not to receive coating.

Method: Work in manageable sections. Apply the **Liquid Rubber EPDM Primer** to one side of the RV (leaving the other side uncoated so that you can walk and work on it.) Allow the **Liquid Rubber EPDM Primer** to dry for 1-2 hours. Apply the **Liquid Rubber RV Roof Coating** over the **Liquid Rubber EPDM Primer**, leaving 4-6 inches of the primer exposed so that you will be able to overlap it when you begin the second side. Allow the **Liquid Rubber RV Roof Coating** to dry enough to walk on, and repeat the process for the second side.

Application: First apply **Liquid Rubber EPDM Primer** to remaining areas and allow to dry (tacky when cured, coat over primer as soon as possible) Apply as many coats of **Liquid Rubber RV Roof Coating** using a brush, (3/8) 10mm roller or airless paint sprayer until you use up required amount. Allow to dry, approximately 4-6 hours between coats or until dry to the touch with nothing wet underneath. Apply each new coat

at a right angle to the previous coat to ensure even thickness. Before final coat, inspect for even thickness, pinholes, etc. Repair as necessary until you have a defect free, monolithic coat and apply the final coat.

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

Cure Time: Allow the coating to cure for 72 hours. Cold or damp conditions can extend drying times.

Coverage: Apply a minimum final coverage of 1 gallon per 50 sq. ft. (1.2 sqm/L). A 5 gallon pail covers approximately a 30 ft. RV.

APPLICATION TIPS

- Remove painters' tape while coating is still wet.
- Apply to dry surface that is free of dirt, loose paint, rust, oil, grease, coal tar, or other contaminants.
- Apply each new coat in an alternate direction to the previous coat to ensure even thickness.
- Typically cures within 48-72 hours.
- Avoid contact with solvents and solvent based cleaners, adhesives, and paints.
- Do not allow to freeze.
- Do not apply in wet conditions (including fog and dew) or if rain is forecasted within 24 hours.
- Apply next coat when dry to the touch (typically 4-6 hours, tacky is OK).
- Do not apply in direct intense sunlight
- See website for videos and technical support.

CLEAN UP

- 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, rags and mineral spirits 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 mineral spirits to weaken the material and an appropriate tool to mechanically remove (wire brush, grinder, etc.)
- **Warning: Mineral spirits can spread the stain, be sure to use sparingly, in a controlled manner, and to follow the manufacturers safety recommendations.**
- Refer to the product Safety Data Sheet for personal protective equipment recommendations.

PHYSICAL PROPERTIES

Color (Liquid)	White
Tensile strength	2000 psi
Elongation	200%
Water Absorption	0.005 kg/m ² -hr ^{0.5}
Durometer Hardness	98 Shore A
Working Temp Range	-40° C to +150° C

PACKAGING

- 3.78 L (1-Gal) Cans
- 18.9 L (5-Gal) Pails
- RV Roof Repair Kit
- RV Roof Coating Kit





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