



TANK  
SHOP

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# Liquid Rubber

## GENERAL INFORMATION

### What Is Liquid Rubber?

Liquid Rubber is an **environmentally friendly**, water and corrosion proofing product designed for a wide range of protective coating applications.

**LIQUID RUBBER** provides solutions for waterproofing, corrosion control, fire protection, and chemical attack on virtually all substrates.

Liquid Rubber:

- ☑ Requires no pre-mixing or hardeners
- ☑ Adheres very strongly to concrete, timber, steel and most substrates
- ☑ Is resistant to most inorganic solutions
- ☑ Is odourless
- ☑ Is UV stable, 20 year life span.

Liquid Rubber products are water based, solvent & Volatile Organic Compounds (VOCs) free, and cold applied to provide a seamless, high performance membrane for above and below grade structures. A single component (no hardeners), solvent and toxin free water-based product which can be applied indoors and outdoors without special protective equipment.

### Liquid Rubber Can Be Applied To -

**Water Tanks - Concrete, Steel, Polyethylene - it is recommended the application is placed on the inside of the water tank walls / floor.**

- **Motor vehicles**
  - Rust proofing
  - Sound deadening
- **Boats**
  - Floors
  - Walls
  - Non slip surfaces
- **Horse floats/boat trailers/caravans**
- **Trailers**
  - Tray and frame protection
- **Silos/hoppers**
- **Buildings**
  - Roof repairs
  - Foundation sealing
  - Floors
  - Walls
  - Stairs
  - Ablution blocks
  - Non slip surfaces
- **Agricultural and farm machinery Fertilizer equipment**
- **Ponds, flower beds and all water tight enclosures**

## Using Liquid Rubber

### Preparation Before Use:

- All surfaces to be coated should be **totally clean, dry** and **free of all loose** or foreign matter.

### Method of Application:

- Liquid Rubber bonds firmly to steel, aluminium, wood, plastic, concrete and most materials of construction without the use of a primer.
- Liquid Rubber can be applied by brush or roller. Brushes wash out in Mineral Turpentine.
- Drying time will vary depending on temperature, humidity, application rate and surface conditions. Generally touch dry in one hour – fully cured in 24 hours, 24 hours required at 20 oC between coats. 48 hours before adding water.

Because of the unique characteristics of Liquid Rubber, it has many more applications that are not only suitable for commercial use, but also safe for home DIY projects:

- ☑ container gardening
- ☑ mobile home/caravan
- ☑ roof repair, leaking gutters, box gutters
- ☑ shower and balcony waterproofing
- ☑ rust prevention and many more applications.

**Liquid Rubber has an incredible flexibility; it can stretch over 8 times its own size without tearing.**

☑ After stretching Liquid Rubber will return to 95% of original shape.

☑ The elastic nature of the product means that it will move with the building and not crack or pull loose from the surface it is adhered to, giving a permanent waterproof seal.

**Best of all, Liquid Rubber's products are completely environmentally safe to use.**

Not only will you get a waterproof, air tight sealant for your construction needs, but also a product that takes your environment into consideration.

Liquid Rubber is completely safe to use around the home and building sites.

**It's the easiest system to apply because you just paint it on.**

☑ No flames

☑ Cost Effective

☑ No torches

☑ Proven Technology

☑ Allows Building Movement

☑ Speed of Application

☑ Total bond to just about anything

☑ Environmentally Friendly

☑ Elasticity of 850%

**Liquid Rubber** outlasts all conventional bitumen & asphalt based products and will bond to a great many substrates including;

☑ Concrete

☑ wood,

☑ asbestos sheeting,

☑ glass

☑ metal

Liquid Rubber is held in state by using elastopolymers. This stops the bitumen (which is a fantastic sealant) from drying and cracking. It also stops leaching so tile grout will not stain from the bitumen. Liquid Rubber can be used for a broad range of specifications, most often without having to remove & dispose of any existing covering.

This not only saves time but also avoids the cost of removal & any environmental considerations commonly associated with waste-disposal.

**Easily applied Liquid Rubber Waterproof Coating**

Adheres to almost any surface including roofing EDPM, metal, wood & glass!

**No Need to Remove Current Surface (save time & money!)**

No need to pay for skip-hire, dumping fees or specialist labour!

**20 Year Lifespan ! UV resistant !**

**4 & 15 Litre Buckets for Smaller DIY Roll or Bush-On Repairs!**

## **LIQUID RUBBER APPLICATION**

Liquid Rubber has a thin, paint like consistency but dries to a seamless rubber membrane with excellent strength, elasticity and adhesion.

It will form a thick coating which will not oxidise, craze, crack, loosen or scale.

Being a liquid applied waterproof membrane, the material allows a completely seamless application over an entire area, even when the structure is complex & undulating.

This allows tiny holes, cracks etc to be filled during application.

### **What Preparation before Use**

All surfaces to be coated should be clean, dry and free of all loose or foreign matter and oil and solvent free.

### **Method of Application**

☒ Liquid Rubber bonds firmly to steel, aluminium, wood, plastic, concrete and most materials of construction without the use of a primer.

☒ Liquid Rubber can be applied by brush, roller or trowel. Brushes wash out in Mineral Turpentine.

### **Product Safety & Storage**

☒ Liquid Rubber is a non-flammable liquid and does not present any storage or transportation hazards.

☒ Store all Liquid Rubber membranes in a cool dry space over 5 C.

☒ DO NOT ALLOW PRODUCT TO FREEZE.

☒ All containers must be tightly sealed at all times

## **HOW TO REPAIR AND WATERPROOF CRACKS**

Liquid Rubber can be used to provide a waterproof seal for cracks in concrete block, masonry, and roof membranes etc.

For gaps or cracks larger than 0.55mm thickness use the Polyfab Geo-Textile Bandage system to bridge. Extend the edges of the Polyfab Bandage past the gap or crack approximately 75 mm.

The Polyfab Bandage is also used to reinforce corners.

# USES OF LIQUID RUBBER

## Frequently Asked Questions

### What is Liquid Rubber?

Liquid Rubber is a synthetic elastomeric, modified bitumen rubber. It is supplied as a water-based emulsion.

### Where can Liquid Rubber be applied?

Liquid Rubber can literally be applied to almost any surface:

- ☑ wood and timber,
- ☑ Iron & corrugated iron
- ☑ Plastic,
- ☑ Masonry
- ☑ corrugated asbestos sheets

**Do I need any special tools to prepare and install the system?** No. There are no specialist tools required. A high pressure washer (if available) is also useful for preparation or even a good pressure garden hose to wash down, otherwise you simply wire brush & sweep down area then apply Liquid Rubber by paint brush and / or roller.

Rubber gloves are a good idea to reduce clean up as well.

### What should I use to clean up?

Soap and water, baby oil, and a bristle brush. Mineral Turpentine can be used to remove dry hardened Liquid Rubber.

### How should I prepare the area before applying Liquid Rubber Brush/Roll On?

Ensure the surface is dry, free of dirt, debris, oil, grease, coal tar, efflorescence, flaking paint, silicone, solvent materials or other contaminants.

### Is it necessary to wear protective equipment while using Liquid Rubber?

No protective equipment is required when using Liquid Rubber. However we still recommend you wear eye protection.

### Is Liquid Rubber environmentally and ecologically safe?

Yes, the components in Liquid Rubber have shown to have no effect on the ecology or the environment and ecologically. It has been approved by Sydney Water to line their potable drinking water storage tanks.

### What kinds of applications are suitable for Liquid Rubber Brush/Roll On?

**Liquid Rubber Brush/Roll On** is a general purpose waterproofing sealant that can be used for a wide variety of applications for waterproofing, corrosion protection, as a vapour barrier, for sound proofing and water containment.

**Liquid Rubber Brush/Roll On** is an excellent choice for roof maintenance, roof restoration, waterproofing foundations, retaining walls, gutter repair, shower liners, decks, patios, fences, planter boxes, ponds, waterfalls, waste containment, barn roofs, silos, docks, piers, boat hulls, dams, commercial steel and built up roofs.

### What temperature can I apply Liquid Rubber Brush/Roll On?

Liquid Rubber Brush/Roll On is water based and therefore must be applied above +5 degrees Celsius. Do not allow material to freeze.

**How long does Liquid Rubber take to dry?**

Liquid Rubber takes 24 hours to dry (Depending on temperature and humidity).

**How thick is the Liquid Rubber membrane?**

The Liquid Rubber membrane is typically painted or rolled on a thickness of 1 - 2 mm, however also taken into consideration the conditions of the project?

**Is Liquid Rubber hazardous?**

No, Liquid Rubber being water based and containing no VOC'S it is not flammable nor is it corrosive.

**Is Liquid Rubber toxic?**

Liquid Rubber contains no harmful chemicals or volatile organic compounds (VOC'S)

**Will salt water affect Liquid Rubber?**

Salt water will not harm Liquid Rubber Brush/Roll On.

Liquid Rubber Brush/Roll On is particularly effective as a protective coating against corrosion and can be simply brushed on to rusted areas.

**What chemicals will affect Liquid Rubber Brush/Roll On?**

Liquid Rubber Brush/Roll On resists most chemicals.

Liquid Rubber Brush/Roll On is a bitumen-based product and is susceptible to hydrocarbons like gas and oils. Please refer to the chemical resistant chart in approvals and certifications.

**Is Liquid Rubber resistant to cracking?**

Yes, Liquid Rubber contains elastomeric properties which allows the product to expand and contract

**Will it crack and "dry out" like the old bitumen type coatings.**

NO. It will not crack or split as it is extremely flexible and is U.V. stable

**Is Liquid Rubber UV stable?**

Yes, Liquid Rubber has excellent UV stability.

**Will the sun affect Liquid Rubber Brush/Roll On?**

No, the chemistry of Liquid Rubber Brush/Roll On is such that its UV resistance is excellent.

**Is Liquid Rubber chemically resistant to a large number of chemicals?**

Liquid Rubber Melbourne can provide a chemical resistance chart.

**Can Liquid Rubber be applied on a vertical surface?**

Yes, Liquid Rubber can be applied vertically and over-head.

**Can shotcrete be applied directly to Liquid Rubber?**

Yes, shotcrete is routinely applied directly against Liquid Rubber?

**Can animal troughs be lined with Liquid Rubber?**

Yes, Liquid rubber is environmentally friendly and will not harm animals

**Is there any battening or welding required for a Liquid Rubber application?**

No, Liquid Rubber does not require any battening or welding or closure/termination strips.

**How thick should I build up my final membrane?**

The final cured waterproof membrane of Liquid Rubber Brush/Roll On should be 1.5 to 2 mm (60-80 dry mls or about the thickness of 2 cent coin for roofs, ponds & areas of ponding water. Generally 3 coats will be required to build the final membrane to 2 mm. For vertical or sloped surfaces, approximately 2 coats (1.5 mm) (60 mils).

**Can I build my final membrane all at once?**

Too much Liquid Rubber Brush/Roll On material will extend the curing time and create a skin on top, possibly preventing the uncured portion from curing resulting in a membrane that is not waterproof.

It is better to use more thin coats than one thick application.

**What if I see blisters?**

Small blisters occur from time to time because of trapped water under the membrane which should cure out over time. If large blisters occur, there may be a bigger moisture issue coming from the substrate. We advise the substrate should be dry.

**Do I need to replace any timberwork?**

No. Unless it's rotten or water damaged.

**Where can Liquid Rubber not be used?**

Liquid Rubber is unsuitable for use where petroleum products are in use, for example, diesoline, petrol, oil, both mineral and vegetable, organic solvents such as benzene, toluene or xylene or paint thinners eg acetone and mineral turps. It is unsuitable for use where temperatures may exceed 80oC

**What does Liquid Rubber not stick too or not used on?**

Coal Tar, Silicone, Solvent based materials

**Shelf Life of Liquid Rubber?**

Approximately 1 year – must be left air tight.

**Do I have to use it all at one time?**

No, It can be resealed in its air tight container

**Is Liquid Rubber available in other countries?**

Yes, Liquid Rubber is readily available in 18 countries around the world

## How do you purchase Liquid Rubber ?



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