

Liquid Rubber Cool Roof Smooth Coating - Acrylic, Highly Flexible Membrane Smooth Coat

DESCRIPTION

Liquid Rubber Smooth Coat is a highly flexible elastomeric waterproofing membrane designed for use on roofs, decks and balconies. Its high viscosity formulation is designed for application on both vertical and horizontal substrates and is well suited to application by HVLP/Airless spray equipment.

Liquid Rubber Smooth Coat dries to a semi gloss finish and reflects heat to reduce thermal heat transmission. It does not soften or attract dirt/stains and has excellent chemical resistance and durability. It may be easily cleaned with mild detergents and water and includes algacides to reduce mould and algal growth.

Liquid Rubber Smooth Coat is designed for long term outdoor exposure and remains flexible under extreme elongation and under constant exposure to moisture. It is UV resistant and can be used in exposed areas without embrittlement. Liquid Rubber Smooth Coat is a harder coating and will withstand moderate foot traffic. It is suitable for application over a wide range of substrates including (following application of RTT Sealant):

Concrete
Masonry
Fibre-cement

Brick
Render
Sheeting Plastics

Metal
Timber

Liquid Rubber Smooth Coat may be applied to damp surfaces although freedom from surface water and continual dampness is essential for sufficient curing to occur. Damp surfaces will increase drying/curing time.

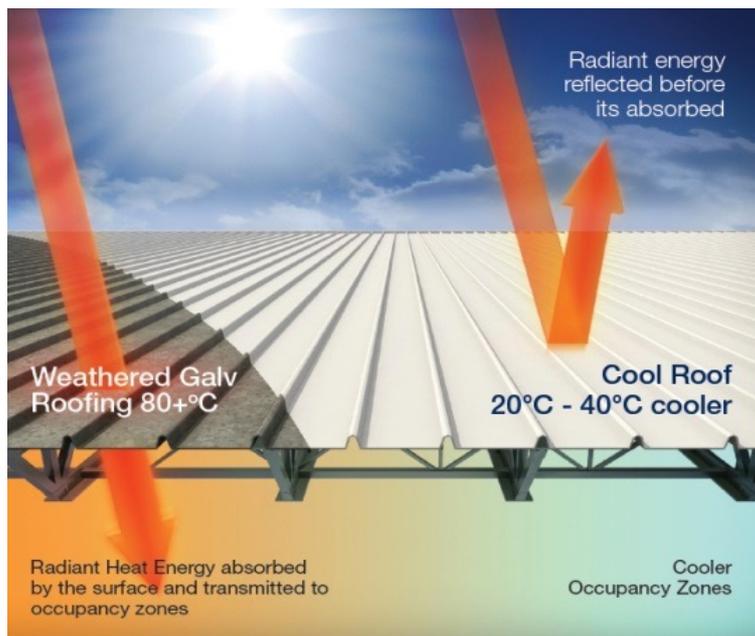
USES

Liquid Rubber Smooth Coat can be used on any surface requiring a waterproof coating but is mainly used for:

Roofs

Balconies

Decks



FEATURES

- Vulcanised bonding to Liquid Rubber's Waterproof Sealant
- Safe to use
- Excellent water resistance
- Self cross linking polymer for durability
- Highly flexible (accommodates movement and minor cracking in substrate)
- UV stable – designed for long term outdoor exposure
- Water based for easy application and cleanup
- Suitable for application on horizontal or vertical surfaces
- Suitable for interior or exterior use



- Permanently flexible, excellent resistance to embrittlement

TECHNICAL DATA

Number of Coats:	2
Coverage Rate:	.6L/sqm (2 coats)
Drying Time:	Recoat 1-2 hours (at 24°C)
Dry:	6 – 12 hours (at 24°C)
Fully Cured:	Up to 2 days
	Liquid Rubber Smooth Coat is dry when it forms a firm skin.
Cleanup:	Before curing – with water
	After curing – solvents
Shelf Life:	12 – 18 months in uncontaminated container kept well sealed and out of direct sunlight. Viscosity may increase during extended storage or in high temperatures. Stir with an electric mixer until homogenous should thickening occur. Store out of direct sunlight below 38°C
Application Temp:	3°C - 40°C
Application:	Brush, Roller or HVLP/Airless Spray

APPLICATION INSTRUCTIONS

Surface Preparation

All surfaces should be clean, sound and free from dry or loose material. Check for presence of waxes, mould release or bond breaking agents, oils or other contaminants that may affect adhesion before application. Given the wide variety of substrates and site specific conditions, it is advisable to check adhesion prior to job commencement. Moulds, lichen or fungal growth should be treated with a suitable algacide or if unavailable with a dilute bleach solution (1 part household bleach to 2 parts water) to kill any spores. Leave the bleach solution in contact with the surface for approx 10 minutes then liberally rinse with clean water and allow to completely dry. Masonry should be flush pointed. Make good any defects in surfaces. Remove any dags, high points or protrusions prior to application. Any laitance in concrete surfaces should be removed with wirebrush or by grit blasting.

Priming

Porous, friable or dusty surfaces should be coated with Liquid Rubber Waterproof Sealant prior to application of Liquid Rubber Smooth Coat to ensure adhesion.

Movement Joints

All expansion and movement joints between differing substrates should be sealed with a suitable sealant. Reinforcement with Geofabric reinforcement cloth is recommended where movement is possible. Allow pre-treatments to dry overnight before general application of the membrane.

Corners

Apply a polyurethane sealant or concrete render, in accordance to the manufacturer's instructions and finish to form a solid, coved or 45o fillet extending at least 8mm on to the adjacent surfaces. Once the sealant is dry apply the membrane directly over the sealant and on to the adjacent surfaces. For additional protection Liquid Rubber geofabric cloth can be applied over the sealant before application of the membrane.

Cracks and Gaps

Cracks and gaps should be pre-filled and sealed with an appropriate elastomeric sealant, preferably a polyurethane sealant, and allowed to cure. For additional protection Liquid Rubber Geofabric cloth can be applied over the sealant before application of the membrane. Visible cracks in the substrate should be pre-treated with a flexible polyurethane sealant or additional coats of the membrane. Larger cracks should be routed out to form a 'V' and then filled and sealed with a polyurethane waterproof joint sealant. The sealant should be finished slightly proud of the surface and allowed to cure. Once dry, apply a thick coat of the membrane extending at least 50mm either side. Allow to dry and then apply the membrane to the entire surface.

Sheet Joins

Timber or FC sheet joins should ideally be fully coated with a polyurethane sealant prior to butting together and fixing. All joins should be fully filled and finished flush or slightly proud of the surface. Once dry, apply a thick coat of the membrane extending at least 50mm either side. Allow to dry and then apply the membrane to entire surface. For additional protection a polyester backed reinforcing bond breaker tape can be applied over the sealant before application of the membrane.

Waste Outlets, Penetrations and Angles

Floor wastes should be rebated in to the floor to allow water to readily drain and its perimeter edges and gaps completely sealed with a polyurethane sealant. Plastic or metal angles should be securely embedded in to a continuous, gap free bed of a polyurethane sealant / mastic.

Application Method

Apply by brush or spray to obtain a consistent and even coating. Liquid Rubber Smooth Coat should be applied in two coats applied at right angles to result in a smoother finish and faster curing times. The membrane should be applied to at least 1mm dry film thickness. If the first coat does not result in a dry film thickness of at least 1mm, then a subsequent coat(s) will be required. Coat all areas liberally working the product into any voids or depressions. Where reinforcing fabric is to be used apply first coat to the required area and while still wet embed the fabric ensuring no air is trapped. Apply a second coat of the membrane at right angles to the previous application. Allow to dry before applying screeds, tiles, or any other coverings. If exposed to weather, do not apply if rain is imminent (within one hour at 24o C), or if the temperature is below 5o C or above 40o C. Applying the membrane during cold weather, where there is limited or no air flow over the membrane may result in the membrane failing to dry. In enclosed areas introducing air flow by using a fan will assist in curing. Liquid Rubber Smooth Coat is not designed for use in areas where permanent immersion is likely (E.g. ponds or tanks) or in situations where hydrostatic pressures are to be expected, such as basements and below grade construction. Liquid Rubber Smooth Coat should not be used at the sole waterproofing option over seams or joins or porous structures and used in unison with Liquid Rubber seam tape, geofabric and Waterproof sealant.

TRANSPORT / STORAGE

Pail Sizes: 4L, 10L, 20L, 205L

Weights: 5.4kg, 11.5kg, 21kg, 225kg

Dangerous Goods Class: N/A

COLOURS

White

Light Grey

Specific colours can be made to order

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS OR THE TRANSPORTATION OF DANGEROUS GOODS REGULATION

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DISCLAIMER

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by Liquid Rubber NZ Ltd in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.