

JOLUKA LIQUID RUBBER

Material Safety Data Sheet

Product Description

Joluka Liquid Rubber and topcoat is a superior, tough, ultra-flexible acrylic waterproofing coating that resists the growth of mould and fungus and is resistant to extreme temperatures and environmental conditions. **Joluka Liquid Rubber** is applied as a thick liquid paste forming a seamless, decorative, and flexible coating that prevents water penetration and extends the life of the structure. It dries to a medium sheen.

Characteristics/Advantages

- High UV resistance
- Extremely tough and flexible
- Very good resistance to abrasion, impact and stone chipping
- Applicable to less accessible locations like sharp and intricate contours
- Non-toxic and environmentally friendly
- Resists growth of mould & fungus
- High solar reflectance on grey
- Resists extreme temperatures & moisture penetration

Typical Uses

For interior and exterior use. Ideal waterproofing system of prepared and primed parapet walls, capping, flashings, flat roofs, joints, wood, masonry walls, galvanised steel, concrete, fibre-cement, cementitious tiles and other intricate waterproofing tasks. **Joluka Liquid Rubber** can be applied in conjunction with a waterproofing membrane or as a standalone waterproofing system. Additionally, **Joluka Liquid Rubber** is ideal as a topcoat.

Product Properties

Physical Form:	Smooth viscous coloured fluid
Colour:	Range of standard colours
Finish:	Smooth medium sheen
Polymer Type:	Acrylic emulsion
Solids Content:	50 ±2% by Mass, 39 ±2% by Volume
S.G.:	1.23±0.05kg/ℓ
Viscosity:	115 – 125 KU
PH:	8.5 – 9.5
Pigments and Fillers:	Lightfast and alkali-resistant types only
Coverage:	1-1.5kg/m ² or 1.5 – 2L/m ²
Wet Film Thickness:	Refer to spread rate table
Dry Film Thickness:	Refer to spread rate table
Drying Properties	Surface or touch-dry: 2-4 hours depending on wet film thickness. Over-coating time: 4 hours minimum, 24 hours maximum @ 23°C depending on wet film thickness Full cure: 14 days @ 23°C.

Flashpoint:	Product is non-flammable, water-based
Packaging:	5 kg & 25kg or 4L and 20L
Thinning:	No thinning required; product is supplied ready for use
Mixing:	Stir the contents thoroughly with a flat paddle before use. Do not mix with a paint stirrer as this will aerate the product.
Cleaning:	Equipment is cleaned using water while the paint is still wet.
Application Method:	Standard application procedure for horizontal surfaces. The same procedure is applied for vertical surfaces, but applicator must refer to film thickness spread rate table supplied. Concrete, fibre cement, galvanised iron, timber, timber roofs, asphalt, malthoid, roofing felt, parapet wall capping, flashings. Apply with a brush/ roller/ trowel/ airless spray.

Important:

- It is important that for each new project the integrity and soundness of the surface is inspected, that a sample test area be tested for adhesion ahead of time. It is advised to take into consideration the local weather conditions such as ambient temperature and air humidity during the application of the material and after the application until the material is dry to its full depth. Avoid freezing temperatures or excessive moisture on the material before it is dry to its full thickness (full cure).
- If it rains between coats, allow at least 48 hours drying time at 23°C to ensure thorough drying before applying any further coats. If there is any rain damage to the coating, apply two coats according to the application specification.
- Do not apply where ponding of water may occur.
- Not suitable for slurry, slate or clay tiles.
- Repair and reinstate weak concrete and surface defects before proceeding with application.
- Metal surfaces must be primed with a suitable metal etch primer.
- Masonry surfaces may be friable, treat suitably with **Joluka Plaster Bond** for Plaster before proceeding with application.
- Raw brick walls must be primed with **Joluka Plaster Bond** for Plaster before proceeding with application.
- The waterproofing system should be inspected after 5 years, and a maintenance topcoat should be applied if necessary.
- Allow curing for at least 14 days.
- Roof Slopes: Ensure that the slopes are such that they prevent water from ponding (Minimum slope of 2 - 4°). Make sure that the slopes are even along the roof.

Priming:

- Metal, steel & chromadek substrates: Prime the prepared surface with a coat of metal etch primer.
- Galvanised substrates: A suitable etch cleaner such as Galvprep must be used to prepare the surface followed by a suitable metal etch primer.
- Previously painted bitumen surfaces: Prime the prepared surface with a coat of bitumen primer.
- Previously painted enamel/solvent-based coating surfaces: Prime the prepared surface with a coat of Universal Undercoat.
- Wood/timber surfaces: Prime the prepared surface with a coat of wood primer.
- Flat concrete roof slabs to be waterproofed: Prime the prepared surface with a coat of **Joluka Grip Bond**.
- Cementitious & masonry substrate surfaces: Prime the prepared surface with a coat of **Joluka Plaster Bond** for Plaster.

Surface Preparation:

For New Surfaces:

Ensure that surfaces are dry (10% moisture maximum), in sound condition, clean and free from any contaminants such as dust, dirt, rust, salt, algae and grease. Remove all loose materials mechanically with a wire brush, or by water or sand blasting, then thoroughly clean surfaces with a suitable surface cleaner. Metal surfaces must be free of rust. Metal surfaces must be primed with a suitable metal etch primer (including screw heads.) Galvanised surfaces must be treated with an etch cleaner before being primed with a suitable metal etch primer. Apply one coat of **Joluka Plaster Bond** to cement, masonry plaster, concrete walls or fibre cement. Apply one or more coats of **Joluka Plaster Bond** for Plaster to concrete roofs and cementitious tiles to achieve a sealed hazy finish for maximum overcoating adhesion. Apply one coat of a suitable wood primer to timber and building boards. For raw brick walls, apply one or more coats of **Joluka Plaster Bond** for Plaster to concrete roofs and cementitious tiles to achieve a sealed finish.

Previously Painted Surfaces:

Ensure that surfaces are dry (10% moisture maximum), in sound condition and clean. Remove all loose materials mechanically with a wire brush or by water or sand blasting, then thoroughly clean surface with a suitable surface cleaner until surface is free from any contaminants such as dust, dirt, rust, salt, algae and flaking paint. Restore to a sound and strong surface before repainting. For friable, previously painted acrylic surfaces after cleaning, apply one or more coats of **Joluka Plaster Bond** until a restored, sound surface is achieved. Bare metal or galvanised surfaces must be primed with a suitable metal etch primer (including screw nail heads). Existing bitumen surfaces must be cleaned with an etch cleaner, allowed to dry and then coated with one or two coats of a suitable bitumen primer as an intermediate coat.

Joints and Cracks:

Embed non-woven polyester fabric (such as Geomembrane) into the first coat of **Joluka Liquid Rubber** and saturate while still wet with a fresh coating. This increases the strength over joints. Leave to dry for 6 hours at 23°C then reapply **Joluka Liquid Rubber**.

Application:

Primer Coat:

Apply the appropriate primer for the specific substrate as listed. Ensure that a uniform coating has been applied and allowed to dry between 1 – 1.5 hours at 23°C then apply the first **Joluka Liquid Rubber** coat while the primer is still tacky.

First Coat and Waterproofing Coats:

Apply two or more coats of **Joluka Liquid Rubber** as per the spread rates listed in the below table. Where membrane is used, embed the membrane after application of the first coat, while the application is still wet. Allow 4 hours of drying time at 23°C between coats. For best results, apply a uniform wet film thickness by spray or trowel to maximise waterproofing properties.

Spreading Rate

Approximate spreading rate per litre depending on surface porosity and profile.

WFT = Wet Film Thickness, DFT = Dry Film Thickness

It is highly recommended to obtain and use a Wet Film Thickness Measuring Comb to measure and control the recommended wet film thickness as tabled below.

Application Method	Product Information	Waterproofing: Horizontal Surfaces	Waterproofing: Vertical Surfaces
Airless Spray	Spreading Rate	0.65 – 0.75 L/m ² per coat	0.4 – 0.5 L/m ² per coat
	Recommended DFT per Coat	Min 250 µm. Max 300 µm.	Min 165 µm. Max 205 µm.
	Recommended WFT per coat	Min 650 µm. Max 750 µm.	Min 425 µm. Max 525 µm.
	Required coat to achieve recommended film thickness	2 coats or more required to achieve a minimum total DFT of 600 µm.	2 coats or more required to achieve a minimum total DFT of 400 µm.
Roller (Use a high-quality Micro-Fibre synthetic long pile roller) or Paint Brush.	Spreading Rate	0.25 – 0.35 L/m ² per coat	0.25 – 0.35 L/m ² per coat
	Recommended DFT per Coat	Min 100 µm. Max 135 µm.	Min 100 µm. Max 135 µm.
	Recommended WFT per coat	Min 250 µm. Max 350 µm.	Min 250 µm. Max 350 µm.
	Required coat to achieve recommended film thickness	5-6 coats or more required to achieve a minimum total DFT of 600 µm. A smooth steel trowel may be used to achieve the film thickness in a 2 coat.	3-4 coats or more required to achieve a minimum total DFT of 400 µm.

Limitations:

Do not apply product if temperature is below 10°C or above 35°C.

Do not apply product if substrate is damp with a moisture reading above 10%.

Do not apply product if it is raining or if there is rain forecast for that day.

Before 9H00 and after 16H00 in winter.

Storage:

Store in a cool, dry place away from excessive fluctuations of temperature and out of direct sunlight.

Health and Safety:



Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. For further health and safety information refer to the product SDS.