

# THE LAB<sup>®</sup>

## Chemicals & Coatings



### Technical and Material Safety Data Sheet

Version: 2026



# BIO RUBBERTECH

## **BIO-RUBBERTECH**

Product Family: **Sealers** (Elastomeric Waterproof Coating / Liquid Rubber Roof Sealer)

### **Typical System Guidance**

A typical system consists of biological treatment with **THE LAB BIO-ALGAE** where needed, cleaning with **THE LAB BIO-WASH**, priming with **THE LAB BIO-PRIME** on tile, asbestos or similar porous roof substrates, or **THE LAB BIO-RUST** on IBR and corrugated metal roofs, followed by two coats minimum of **THE LAB BIO-RUBBERTECH**.

Routine inspection and maintenance is recommended to maintain long-term coating performance.

### **Product Description**

**BIO-RUBBERTECH** is a pure acrylic rubberising compound designed as a flexible waterproof coating for a variety of building and metal substrates. It is intended for contractors who need a cost-effective liquid rubber system capable of covering fine cracks, minor leaks and surface abrasions while building a durable protective film. The product can achieve substantial film build and is positioned as a practical waterproofing and protective layer for roofs, walkways, prepared steel and high-wear utility surfaces.

The original sheet highlights its UV-resistant acrylic rubberising nature, its sound-dampening value on vibrating equipment, and its anti-corrosion and abrasion-resistant qualities. It is especially useful where a more robust rubberised coating is required rather than a decorative-only finish.

## **Technical Data Summary**

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Product Type               | Pure acrylic rubberising compound                         |
| Colour                     | Standard Colours                                          |
| Finish                     | Low Sheen                                                 |
| Application Method         | Brush, Roller or Spray                                    |
| Touch Dry                  | +/- 45 minutes                                            |
| Recoat Time                | +/- 2 hours                                               |
| Specific Gravity           | +/- 1.23 kg/L                                             |
| Volume Solids              | +/- 42 %                                                  |
| Elongation                 | +/- 110 KU                                                |
| Viscosity                  | +/- 120-125 KU                                            |
| Recommended WFT            | +/- 125 microns                                           |
| Recommended DFT            | +/- 85 microns                                            |
| Surface Temperature Limits | 10 – 13 °C                                                |
| Relative Humidity Limits   | < 50°C                                                    |
| Flammability               | Non-flammable                                             |
| Coverage                   | +/- 4–6 m <sup>2</sup> /L per coat                        |
| Clean Up                   | Water                                                     |
| Build Potential            | Up to approximately 2 mm build-up                         |
| Typical Uses               | Roofs, walkways, prepared steel, wear-and-tear protection |
| VOC Content                | Low VOC typical of water-based acrylic coatings           |
| Shelf Life                 | +/- 12 months when stored under correct conditions.       |

These values are typical laboratory results and serve as a guide only. Practical coverage will vary depending on surface profile, porosity and application method.

## **Intended Uses**

**BIO-RUBBERTECH** is intended for IBR and corrugated roofs, non-slip walkways, suitably prepared steel and wear-and-tear protection on utility items such as trailers, bakkies and chassis components. Not recommended for permanently submerged surfaces or areas subject to continuous water exposure.

## **Principal Characteristics**

**BIO-RUBBERTECH** provides flexible waterproofing, UV resistance, abrasion resistance, anti-corrosion properties and sound-dampening benefits on vibrating equipment. It is water-based, easy to clean up, non-toxic in normal use and capable of forming a thicker rubberised protective build than standard thin-film roof coatings.

## **Surface Preparation**

Before application, all surfaces must be cleaned with **THE LAB BIO-WASH** to remove contamination, loose material and friable residues. Previously painted and old primed surfaces must be cleaned by

removing grease, loose paint and unstable material. Priming should be selected according to substrate: **BIO-PRIME** for tile and asbestos roofs and **BIO-RUST** for corrugated or IBR roofing; in your updated system.

### **Application Guidelines**

**BIO-RUBBERTECH** may be applied by brush, roller or airless spray equipment.

Apply a minimum of two coats to achieve uniform coverage and durability.

Prior to application, always follow these basic product checks:

- Inspect packaging and ensure containers are sealed, undamaged and within shelf-life
- Open product and visually inspect for abnormalities, contamination, skinning or separation
- Stir product thoroughly before and during use where required
- For multi-component products, ensure correct mixing ratios and induction periods are followed
- Confirm substrate condition, moisture levels and environmental conditions are suitable
- Conduct a small test patch to confirm adhesion, appearance and compatibility prior to full application

Do not apply coatings when:

- Ambient temperature is below 10°C
- Rain is imminent
- Surfaces are wet or contaminated

Ensure recommended spreading rates are maintained to achieve correct film thickness. Allow adequate drying time between coats.

### **Storage**

Store in sealed containers in a cool, dry and well-ventilated environment away from excessive heat and freezing conditions. Keep containers tightly closed when not in use. This is consistent with the water-based elastomeric storage guidance in the roof coating range.

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The technical information, recommendations, specifications and system guidance contained in this document are provided in good faith and are based on laboratory testing, field experience and current product knowledge available at the date of publication. Such information is intended solely to assist specifiers, contractors, applicators and end users in selecting and applying suitable coating systems and does not relieve any party from independently assessing product suitability for the intended application and site conditions.

The performance of any coating system is materially dependent upon factors beyond the control of The Lab Chemicals & Coatings, including but not limited to correct substrate assessment, cleaning and decontamination procedures, surface preparation, substrate condition, moisture content, environmental conditions, product storage and handling, mixing procedures where applicable, film thickness achievement, adherence to specified system build requirements, application techniques and ongoing maintenance practices.

Failure to strictly follow the instructions, specifications, limitations and recommendations contained within this Technical Data Sheet, associated specifications, written recommendations or supplementary documentation may adversely affect product performance and may invalidate performance expectations, warranties or related claims.

Users are strongly advised to conduct suitability trials and test applications under actual site conditions prior to full-scale application.

To the best of our knowledge, the information contained herein is true and accurate at the date of issue and remains subject to change without prior notice. Users are advised to contact The Lab Chemicals & Coatings prior to specification or ordering to ensure that the correct product and system are selected for the intended application.

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The above information must be read in conjunction with the General Terms and Conditions of The Lab Chemicals & Coatings (Pty) Ltd and The Lab George (Pty) Ltd, available at: [www.thelabcc.co.za](http://www.thelabcc.co.za) or upon request.

# Material Safety Data



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

CAS no. : N/A

EC no. : N/A

UN No. : 1263 SAPMA: 4-H-C

In emergency contact: The Lab Chemicals & Coatings @ 0845071767

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification: Not classified as hazardous

No significant quantity of classified hazardous substances present.

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

## SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating: 4-MINIMAL - No great risk to health

Inhalation: Avoid exposure to vapours, fumes and mists.

Skin: No hazard expected if used in moderation.

Eyes: No direct hazard is expected but possible contact with any chemical must always be avoided.

Ingestion: Irritating and nauseating.

No carcinogenic, mutagenic or genetic effects established

May have short term environmental effects. Contain, monitor & remove.

## SECTION 4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin: Always wash after handling chemical substances.

Eyes: In case of any contact and discomfort rinse well with water and seek medical advice.

Ingestion: Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical attention.

## SECTION 5. FIRE FIGHTING MEASURES

Dried residues - combustible with toxic fumes.

No direct explosion hazard expected.

## SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Keep out of drains and sewers

## SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating: 4-H-C PPE: Eye protection

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: Use only as directed.

Eyes: Avoid direct contact. Never touch eyes with dirty hands or gloves.

Ingestion: Observe the rules for hygiene. Wash before eating, drinking or smoking.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: Non-hazardous material Description: Viscous liquid Smell: Pungent

FlashPoint (C): N/A

## SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Inert - no reaction with fire-fighting water

## SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established

## SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

## SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

## SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous for transport



## SECTION 15. REGULATORY INFORMATION

EC no. : N/A

EC Classification: Not classified as hazardous

S2 - Keep out of reach of children. (Retail sales items)

## SECTION 16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms to General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)

OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991) All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.