

THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



THE LAB ECONO RUBBER

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Product Family: **Sealers** (Elastomeric Waterproof Roof Coating)

Typical System Guidance

Typical roof waterproofing system:

- 1 Clean roof surface with **THE LAB BIO-WASH**
- 2 Treat biological contamination with **THE LAB BIO-ALGAE** if required
- 3 Priming with **THE LAB BIO-PRIME** or **THE LAB BIO-RUST** (metal substrates)
- 4 Apply **THE LAB ECONO RUBBER** waterproof coating

Two coats are typically recommended to achieve adequate film thickness and waterproof protection. Routine inspection and maintenance is recommended to maintain long-term coating performance.

Product Description

THE LAB ECONO RUBBER is a high-build elastomeric waterproof coating designed to protect and seal roof surfaces against moisture penetration and environmental exposure. The coating forms a flexible waterproof membrane that expands and contracts with temperature fluctuations and structural movement, helping to prevent cracking and water ingress.

The formulation provides excellent exterior durability and flexibility while delivering resistance to alkali attack, mould growth and water penetration. Once applied, the coating produces an attractive satin finish and provides long-term protection against weathering and environmental degradation.

ECONO RUBBER is designed primarily for roof waterproofing applications on cementitious and metal roofing substrates. The coating can also be used on a variety of primed building materials including concrete, plaster, wood and metal surfaces where waterproofing and flexibility are required.

Technical Data Summary

Product Type	Modified acrylic emulsion
Finish	Satin
Colour	Standard colours
Volume Solids	+/- 52 % by volume
Mass Solids	+/- 64 % by mass
Viscosity	+/- 120 – 125 KU
Application Method	Brush / Roller / Airless Spray
Touch Dry	+/- 45 minutes (Standard lab temperatures ASTM 23C / ISO1528)
Recoat Time	+/- 2 hours
Spread Rate	+/- 4 – 6 m ² /L per coat
Elongation	+/- 110%
Recommended WFT	+/- 125 microns
Recommended DFT	+/- 85 microns
Surface Temperature Limits	10 – 13 °C
Relative Humidity Limits	< 50°C
Flammability	Non-flammable
Clean Up	Water
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

THE LAB ECONO RUBBER is suitable for waterproofing and protecting roof surfaces including:

- Flat roofs
- Cement roofs
- IBR roofing sheets
- Corrugated metal roofs
- Tile roofs

The product may also be used on suitably primed building substrates including plaster, concrete, gypsum boards, wood and steel surfaces requiring flexible waterproof protection. Not recommended for permanently submerged surfaces or areas subject to continuous water exposure.

Principal Characteristics

- Highly flexible elastomeric waterproof coating
- Excellent resistance to water penetration
- Good mould and fungal resistance
- Durable exterior weather resistance
- High-build coating for improved protection
- Satin decorative finish
- Water-based and non-flammable formulation
- Easy application using brush, roller or spray equipment
- High impact resistance

Surface Preparation

All surfaces must be clean, dry and free from dirt, grease, oil and loose material prior to coating application.

Previously painted surfaces in good condition should be cleaned and lightly sanded where necessary to improve adhesion. Loose or flaking paint should be removed back to a sound substrate and exposed areas should be spot primed.

Chalky surfaces must be cleaned and prepared to remove all loose material before applying primer and coating systems.

Metal surfaces should be cleaned thoroughly and treated with a suitable primer before coating application.

Application Guidelines

THE LAB ECONO RUBBER 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 original sealed containers in a cool, dry and well ventilated area.

Protect containers from direct sunlight, freezing temperatures and excessive heat.

Keep containers tightly sealed when not in use.

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High build, chemical resistant systems for extreme performance.

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Engineered mortar and coatings for concrete protection.

DEGREASERS & SURFACE PREPARATION
Clean, prepare and ensure maximum adhesion.

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Specialised solutions for the toughest protection needs.

Technical Advisory, Specification Support and Disclaimer

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 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.