

THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



BIO RUBBERPROOF

THE LAB RUBBERPROOF

Product Family: Sealers (PU Modified Acrylic Waterproofing Coating)

Typical System Guidance

Typical Waterproofing System

1. Inspect and prepare the substrate to ensure it is clean, dry and structurally sound.
2. Remove dirt, fungal growth, loose coatings and contaminants.
3. Repair cracks and defective areas before waterproofing.
4. Prime the substrate with the appropriate The Lab primer where required.
5. Apply **THE LAB RUBBERPROOF** as a liquid waterproofing membrane, either:
 - as a multi-coat waterproofing system without membrane; or
 - reinforced with an approved polyester membrane over cracks, joints, weak areas and critical waterproofing details.
6. Allow the required drying time between coats.
7. Apply the final coat(s) to achieve a continuous, uniform waterproofing film.

Always use the appropriate The Lab waterproofing specification for the substrate, exposure conditions and intended application.

Product Description

THE LAB RUBBERPROOF is a high-film-build, PU modified flexible acrylic emulsion coating developed for waterproofing roofs, parapets, wall surfaces and other suitably prepared building substrates.

The coating forms a flexible, water-resistant protective film with excellent UV protection and weather resistance. It may be used as a liquid waterproofing membrane or in combination with an approved polyester membrane to create a reinforced waterproofing system over cracks, joints and other vulnerable areas.

THE LAB RUBBERPROOF may also be used for sealing cement roof tile ridges and provides resistance to mould and fungal growth.

Technical Data Summary

Property	Typical Value
Product Type	Flexible Acrylic Waterproofing Coating
Binder Type	PU Modified Acrylic Emulsion
Finish	Satin Sheen
Colour Range	THE LAB Standard Colours
Viscosity	120–125 KU
Specific Gravity	1.20 ±0.05 kg/L
Solids by Mass	58% ±3%
Solids by Volume	46% ±3%
Coverage	Approximately 3–4 m ² /L for complete application system*
Recommended DFT	Approximately 102 µm @ 4 m ² /L
Recommended Coats	System dependent – typically 3 coats minimum
Surface Dry	<1 hour @ 23°C and 50% RH
Hard Dry	<8 hours @ 23°C and 50% RH
Recoat Time	2–4 hours, weather permitting
Drying Mechanism	Water evaporation followed by coalescence
Application Temperature	8°C–40°C
Relative Humidity	10–85%
Maximum Substrate Moisture	10%
Application Method	Brush / Roller
Clean Up	Clean Water
Thinning	Clean water only where specifically instructed
Packaging	1L / 5L / 20L
Flash Point	Not Applicable

Coverage is dependent on substrate condition, porosity, surface profile and application method. Waterproofing system coverage must be sufficient to achieve the specified film build.

These values are typical laboratory results and serve as a guide only.

Intended Uses

THE LAB RUBBERPROOF is recommended for waterproofing and protecting:

- Roof surfaces
- Parapet walls

- Tops of parapets
- Cement roof tile ridges
- Plaster bands
- Window sills
- Copings
- Cement-screeded surfaces
- Cement plaster
- Concrete
- Cement brickwork
- Fibre cement surfaces
- Cracks and joints
- Junctions between dissimilar building materials
- Previously painted surfaces after suitable preparation

It may be used with an approved polyester membrane where additional reinforcement is required.

Principal Characteristics

- PU modified flexible acrylic technology
- High-film-build waterproofing coating
- Flexible, non-tacky film
- Excellent UV protection
- Excellent weather resistance
- High volume solids for improved film build
- Suitable for membrane-reinforced waterproofing
- Suitable for selected applications without reinforcement
- Resists mould and fungal growth
- Good adhesion to correctly prepared and primed substrates
- Water-based formulation
- Environmentally and applicator friendly
- Faster drying than conventional acrylic waterproofing coatings
- Suitable for exterior exposure
- Easy clean-up with water

Limitations

THE LAB RUBBERPROOF is not recommended:

- On dirty, damp, contaminated or unsound substrates.
- Where substrate moisture exceeds 10%.
- Where standing water results from inadequate falls or drainage.
- Below 8°C or above 40°C.
- When relative humidity exceeds 85%.
- During rain or when rain is imminent.
- Under adverse weather conditions.

- Where the membrane system will remain permanently covered or enclosed in conditions that may cause degradation of the reinforcing fabric.
- Where structural movement exceeds the capability of the coating and reinforcement system.

Excessive film thickness and/or rapid drying may result in mud cracking.

Do not apply over active leaks, unstable substrates or structural cracks without appropriate remedial work.

Surface Preparation

All substrates must be clean, dry, sound and free from dust, grease, oil, fungal growth, loose coatings and contaminants that may impair adhesion.

General Cleaning

Remove dirt using **The Lab Bio-Wash**, diluted 1:4 with clean water. Rinse thoroughly and allow the substrate to dry completely.

Fungal Growth

Treat fungal growth using the appropriate The Lab surface preparation treatment followed by **The Lab Bio-Wash**. Water-jet where appropriate and allow the surface to dry thoroughly before proceeding.

Cement Plaster, Concrete and Cement Brick

Prepare to a clean, sound surface and apply one coat of **The Lab ARP Primer** where specified.

Fibre Cement

Prime with one coat of **The Lab ARP Primer**.

Metal Surfaces

Remove rust and corrosion to sound bright metal and spot-prime exposed areas with the appropriate **The Lab Etch Metal Primer**.

Previously Painted Surfaces

Remove all loose and flaking paint by scraping, sanding or high-pressure water cleaning.

Clean with **The Lab Bio-Wash** diluted 1:4 with clean water and rinse thoroughly.

Spot-prime exposed substrates with the appropriate The Lab primer.

Existing enamel coatings should be sanded to an even matt finish and all dust removed before coating.

Poorly Adhered Existing Coatings

Remove existing coatings back to a sound substrate and prepare as for an unpainted surface.

Crack Repair

Hairline or crazed cracking should be sanded smooth and appropriately primed.

Cracks greater than approximately 2 mm should be opened back to a firm substrate and properly repaired before application of the waterproofing system.

Application Guidelines

Stir **THE LAB RUBBERPROOF** thoroughly before and during application.

Confirm that substrate moisture, environmental conditions and surface preparation comply with the specification before commencing work.

Maintain a wet edge during application and work from natural break points to minimise lap marks and variations in appearance.

Where different batch numbers are supplied, intermix containers before application to ensure uniform colour and appearance.

Waterproofing Without Membrane: Parapets, Plaster Bands, Window Sills and Copings

Apply **three coats of THE LAB RUBBERPROOF** to the correctly prepared surface.

Allow approximately **2 hours** between coats under suitable weather conditions.

Flat Cement-Screeded Surfaces:

Ensure the screed falls correctly towards functional drainage points.

A minimum fall of approximately **1:60** is required.

Apply three coats of **THE LAB RUBBERPROOF** at a spreading rate not exceeding approximately **5 m²/L per coat**.

Allow approximately 2 hours drying time between coats.

Membrane-Reinforced Waterproofing System:

Membrane reinforcement is recommended over:

- Cracks
- Joints
- Weak areas
- Junctions between different substrates

- Vulnerable waterproofing details

Apply a coat of **THE LAB RUBBERPROOF** to the prepared substrate.

Immediately embed the approved polyester membrane into the wet coating.

Press the membrane firmly into the coating and remove all wrinkles, air bubbles and pockets.

Apply a saturation coat over the membrane while the system remains receptive and allow to dry thoroughly.

Apply the required finishing coat(s) of **THE LAB RUBBERPROOF** to completely encapsulate the reinforcement and produce a continuous waterproofing film.

When reinforcing a parapet wall, extend the membrane approximately **50 mm down the leading edge** where appropriate.

If the polyester membrane becomes saturated by rain during installation, allow it to dry completely before continuing with subsequent coats.

Optional Decorative Finish:

Where a different decorative colour or finish is required, an approved compatible THE LAB decorative coating may be applied over the completed **RUBBERPROOF** waterproofing system in accordance with the applicable The Lab specification.

The original specification identifies **The Lab Bio-Klad** as a suitable decorative finishing option.

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 tightly sealed containers in a cool, dry and well-ventilated area.

Protect from direct sunlight, excessive heat and freezing conditions.

Keep containers tightly closed when not in use.

Rotate stock on a first-in, first-out basis.

Clean application equipment immediately after use with clean water.

Do not discharge product or contaminated wash water into drains, sewers or natural watercourses.

Dispose of waste and empty containers in accordance with applicable local regulations.

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SPECIALIZED COATING SOLUTIONS AND PAINT SYSTEMS
"Where quality meets purpose"

COMPLETE COATING SYSTEMS FOR EVERY SURFACE

ENGINEERED FOR PERFORMANCE. BUILT TO LAST.

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SOLUTION DRIVEN SCIENCE OF PAINT
SPECIALISED COATINGS

ROOF PROTECTION, QUALITY FORMULATIONS, REQUEST BY PROFESSIONALS, ENVIRONMENTALLY CONSCIOUS, MADE IN SOUTH AFRICA

 ROOF COATINGS Superior protection against harsh weather conditions.	 WALL COATINGS Beautiful, durable finishes for interior and exterior walls.	 FLOOR COATINGS High performance floor systems for every environment.	 PRIMERS The perfect foundation for lasting adhesion and performance.	 SEALERS Protect and seal surfaces with advanced sealer technologies.	 TWIN PACKS & EPOXIES High build, chemical resistant systems for extreme performance.	 CEMENTITIOUS SYSTEMS Engineered mortar and coatings for concrete protection.	 DEGREASERS & SURFACE PREPARATION Clean, prepare and ensure maximum adhesion.	 SPECIALIZED PROTECTIVE SYSTEMS Specialised solutions for the toughest protection needs.
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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.

No guarantee, representation or warranty is given or implied regarding the completeness or suitability of information contained herein. Technical recommendations and advice do not constitute a performance guarantee unless expressly confirmed in writing by an authorised representative of The Lab Chemicals & Coatings.

The Lab Chemicals & Coatings accepts no responsibility or liability for product failure, defects, damage, consequential losses, injuries or unsatisfactory performance arising from incorrect substrate preparation, unsuitable application conditions, deviation from specified system requirements, misuse, unauthorised product modification, incorrect application methods or use outside documented recommendations. Liability, if any, shall be limited solely to replacement of proven defective product.

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.