

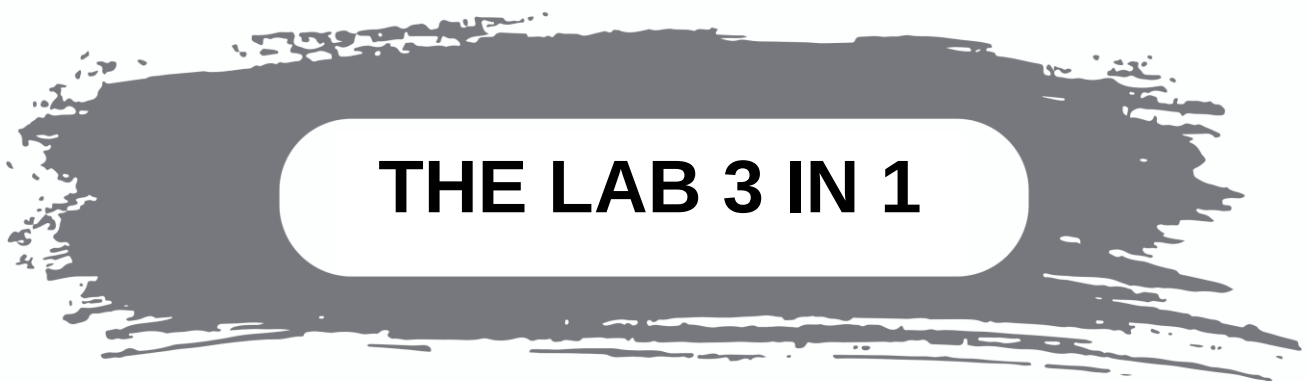
THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



THE LAB 3 IN 1

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Product Family: Wall Systems (High-Build Pure Acrylic Multi-Purpose Coating)

Typical System Guidance

1. Inspect the substrate and ensure it is clean, dry, sound and suitable for coating.
2. Remove dirt, grease, dust, loose coatings and friable material.
3. Repair cracks, holes and surface imperfections where required.
4. On very porous substrates, apply The Lab Prime/Bond or the appropriate The Lab primer.
5. Stir **The Lab 3in1** thoroughly before application.
6. Apply a minimum of two coats by brush, roller or suitable spray equipment.
7. Allow each coat to dry adequately before applying the next coat.
8. Maintain a wet edge and work from natural break points to achieve a uniform finish.

The Lab 3in1 combines priming, filling and decorative finishing properties in one high-build coating; however, highly porous or problematic substrates may still require a dedicated primer.

Regular inspection and maintenance is recommended to ensure long-term coating performance.

Product Description

The Lab 3in1 is a durable, high-build, pure acrylic emulsion coating formulated for interior and exterior decorative applications. It dries to a smooth matt finish and combines primer, filler and finishing-coat characteristics in a single multifunctional coating system.

The adhesion-promoted formulation provides good substrate build, fast drying, scrub resistance and non-yellowing performance. It also incorporates antifungal properties and is suitable for plastered

walls, ceilings, soffits, fibre cement fascia boards and other suitably prepared surfaces where a durable matt decorative finish is required.

Being water-based, **The Lab 3in1** is easy to apply and application equipment can be cleaned with water.

Technical Data Summary

Property	Typical Value
Product Type	High-Build Pure Acrylic Emulsion Coating
Binder Type	Pure Acrylic
Finish	Matt
Colour Range	White and The Lab Standard Colours
Viscosity	105–120 KU
Specific Gravity	1.485–1.555 kg/L*
Non-Volatile Content	33.9–41.4%*
Coverage	+/- 4 m ² /L*
Recommended DFT	+/- 42 µm
Recommended Coats	Minimum 2 coats
Surface Dry	30 minutes–1 hour @23°C and 50% RH
Hard Dry	+/- 4 hours @23°C and 50% RH
Drying Mechanism	Water evaporation followed by coalescence
Flash Point	Not Applicable
Application Methods	Brush / Roller / Spray
Clean Up	Clean Water
Packaging	5L / 20L
Maximum Substrate Moisture	10%
Relative Humidity	10–85%
Maximum Application Temperature	40°C

*Values are reproduced from the existing technical documentation. Practical coverage will vary according to substrate porosity, texture, condition and application method.

Intended Uses

The Lab 3in1 is recommended for:

- Interior walls
- Exterior walls
- Cement plaster
- Concrete
- Masonry
- Ceilings
- Soffits
- Fibre cement fascia boards

- Nutec fibre cement surfaces
- Previously painted surfaces after suitable preparation
- Surfaces requiring a high-build matt decorative coating
- Areas where primer, filling and finishing characteristics are desirable in one coating system

Principal Characteristics

- Pure acrylic formulation
- High-build coating
- Primer, filler and decorative finish characteristics
- Smooth matt finish
- Excellent adhesion to suitably prepared substrates
- Suitable for interior and exterior use
- Antifungal properties
- Fast drying
- Good recoating characteristics
- Scrub resistant
- Non-yellowing
- Water-based
- Easy application
- Water clean-up
- Suitable for brush, roller or spray application
- Good filling and surface-hiding properties

Limitations

The Lab 3in1 is not recommended:

- On wet, damp, contaminated or unsound substrates.
- Where substrate moisture exceeds 10%.
- During rain or adverse weather conditions.
- Where existing coatings are loose or poorly adhered.
- Where excessively porous substrates have not been appropriately primed.
- Where application conditions prevent correct drying and film formation.

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

Do not attempt isolated touch-ups where appearance is critical; repaint complete panels or natural sections to maintain uniformity.

Where different batch numbers are supplied, intermix containers prior to application to ensure colour consistency.

Surface Preparation

All substrates must be clean, dry, sound and free from dust, grease, oil, loose material, friable matter and contaminants that may impair adhesion.

New Plaster, Concrete and Masonry:

Allow the substrate to cure adequately and ensure moisture content does not exceed 10%.

Remove laitance, loose particles and contamination.

Very porous substrates should be primed with **THE LAB PRIME/BOND** or the appropriate The Lab primer before applying 3in1.

Previously Painted Surfaces:

Remove all loose, peeling or poorly adhered coatings.

Clean thoroughly to remove dirt, grease and surface contamination.

Glossy or hard existing coatings should be lightly abraded where required to provide a suitable mechanical key.

Remove all sanding dust before coating.

Friable or Powdery Surfaces:

Remove loose and friable material and stabilise the substrate with the appropriate The Lab primer before applying **The Lab 3in1**.

Application Guidelines

Prior to application:

- Inspect containers and confirm the product is within shelf life.
- Ensure packaging is sealed and undamaged.
- Stir thoroughly before and during application.
- Confirm the substrate is dry, sound and properly prepared.
- Check moisture and environmental conditions.
- Conduct a trial area where substrate compatibility is uncertain.

Apply a minimum of two coats by brush, roller or suitable spray equipment.

Maintain the specified spreading rate to achieve the required film thickness.

Allow each coat to dry completely before recoating.

Maintain a wet edge and work from corner to corner or between natural break points to minimise lap marks and variations in texture.

Do not stop application midway across large uninterrupted surfaces where this may result in visible lap marks.

Appearance & Batch Consistency

To maintain a consistent finish:

- Use product from the same batch wherever possible.
- Where different batches must be used, intermix containers before application.
- Maintain a wet edge.
- Avoid isolated touch-ups.
- Complete entire panels or natural architectural sections where practical.

These recommendations are specifically stated in the original TDS and are worth retaining because matt, high-build coatings can show variations when touched up locally.

Storage

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

Protect from:

- Direct sunlight
- Excessive heat
- Severe cold
- Contamination

Keep containers tightly closed after use.

Clean application equipment immediately after use with clean water.

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

Dispose of unused material and packaging in accordance with applicable local regulations.

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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 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**, 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
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