

THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



BIO MATT

BIO-MATT

Product Family: Wall Coatings (Premium Washable Acrylic Matt Finish)

Typical System Guidance

Typical decorative wall coating system

1. Inspect the substrate to ensure it is clean, dry and structurally sound.
2. Remove dust, dirt, grease, loose material, efflorescence and poorly adhered coatings.
3. Repair cracks and surface defects using an appropriate The Lab repair compound.
4. Prime the substrate with the recommended The Lab primer.
5. Stir **THE LAB BIO-MATT** thoroughly before use.
6. Apply a minimum of two coats by brush, roller or spray.
7. Allow the specified drying time between coats before applying subsequent coats.

Always use the appropriate The Lab coating specification for the intended substrate and service environment.

Product Description

THE LAB BIO-MATT is a premium quality, water-based, washable matt acrylic coating formulated using a 100% pure acrylic binder with advanced adhesion-promoting technology. It provides excellent durability, smooth application and a high-quality matt finish for both interior and exterior decorative surfaces.

The formulation offers excellent opacity, low odour, rapid drying and outstanding recoatability while providing resistance to fungal growth. Its durable acrylic film delivers long-term colour retention and excellent washability, making it suitable for residential, commercial and institutional applications.

Technical Data Summary

Property	Typical Value
Product Type	Premium Water-Based Acrylic Matt Coating
Binder Type	100% Pure Acrylic
Colour Range	White, Pastel, Deep and Clear Bases
Finish	Matt
Specific Gravity	1.44 ± 0.05 kg/L
Viscosity	105–110 KU
Solids by Mass	61% ±3%
Solids by Volume	39% ±3%
Coverage	+/- 9–12 m ² /L per coat*
Recommended Coats	Minimum 2 coats
Recommended DFT	+/- 55 µm per coat
Touch Dry	Less than 1 hour @ 23°C
Hard Dry	Less than 4 hours @ 23°C
Recoat Time	Minimum 4 hours
Drying Mechanism	Water evaporation followed by coalescence
Application Temperature	10°C–35°C
Relative Humidity	10–85%
Moisture Content	Maximum 10%
Application Methods	Brush, Roller or Spray
Clean Up	Clean Water
Packaging	1L, 5L and 20L

*Coverage will vary depending on substrate porosity, texture and application method.

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 BIO-MATT is recommended for:

- Interior walls
- Exterior walls
- Ceilings
- Soffits
- Cement plaster
- Concrete
- Brickwork
- Masonry

- Previously painted surfaces after suitable preparation
- Residential buildings
- Commercial buildings
- Educational facilities
- Healthcare facilities

Principal Characteristics

- Premium washable matt finish
- 100% pure acrylic formulation
- Excellent adhesion
- Excellent opacity and coverage
- Excellent recoatability
- Fast drying
- Low odour
- Water-based formulation
- Easy clean-up with water
- Anti-fungal properties
- Suitable for interior and exterior use
- Excellent durability
- Smooth, uniform matt finish

Limitations

THE LAB BIO-MATT is not recommended:

- On damp substrates.
- Where substrate moisture exceeds 10%.
- During rain or when rain is imminent.
- At ambient temperatures below 10°C or above 35°C.
- When relative humidity exceeds approximately 85%.
- On poorly prepared or contaminated surfaces.

Excessive film build or rapid drying may result in mud cracking or other application defects.

Surface Preparation

All substrates must be clean, dry and structurally sound before application.

Remove dust, dirt, grease, loose paint, chalking, efflorescence and all contaminants that may impair adhesion.

Repair cracks and surface defects using an appropriate The Lab repair compound.

Prime the substrate using the recommended The Lab primer according to the substrate type and condition.

Ensure wall moisture content does not exceed 10% before coating.

Application Guidelines

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
- Apply by brush, roller or spray.
- Apply a minimum of two coats.
- Maintain the recommended spreading rate.
- Allow at least 4 hours between coats.

Do not apply:

- Below 10°C.
- Above 35°C.
- During rain or adverse weather conditions.
- When relative humidity exceeds approximately 85%.

Work from natural break points, maintain a wet edge and intermix different batch numbers where required to maintain colour consistency

Storage

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

Protect from direct sunlight, frost and excessive heat.

Clean application equipment immediately after use with clean water.

Dispose of waste materials and wash water responsibly in accordance with local environmental 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 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.