

# THE LAB<sup>®</sup>

## Chemicals & Coatings



### Technical and Material Safety Data Sheet

Version: 2026



## BIO WALL & CEILING

### BIO-WALL AND CEILING

Product Family: Wall Systems

#### Typical System Guidance

System selection should be based on substrate condition and interior project requirements.

Typical interior ceiling coating system:

1. **BIO-WASH** – surface cleaning if required
2. **BIO-PRIME Primer** – for porous masonry substrates
3. **BIO-WALL & CEILING** – two coat decorative ceiling coating system

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

#### Product Description

**BIO-WALL & CEILING** is a modified acrylic INTERIOR coating specifically formulated for ceilings and low-wear wall areas where a smooth flat decorative finish and excellent hiding properties are required.

The coating produces a uniform flat finish with high light diffusion characteristics that help reduce glare and improve visual appearance across ceiling surfaces. The formulation assists in masking minor surface imperfections while maintaining consistent decorative coverage across large interior areas.

**BIO-WALL & CEILING** is designed primarily for interior environments where surfaces are not subjected to heavy abrasion or frequent washing. The coating is ideal for residential and commercial ceiling applications as well as interior wall areas requiring a flat decorative finish.

The product is water-based, low odour and easy to apply, allowing brushes and application equipment to be cleaned with water.

**BIO-WALL & CEILING** forms part of The Lab interior decorative coating systems and should be applied according to recommended preparation and application guidelines.

### **Technical Data Summary**

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Product Type               | Modified acrylic                                          |
| Finish                     | Matt                                                      |
| Colour Range               | White                                                     |
| Application Method         | Brush and Roller                                          |
| Recommended Coats          | Minimum two coats                                         |
| Coverage                   | +/- 6–8 m <sup>2</sup> /L per coat depending on substrate |
| Touch Dry                  | +/- 30 minutes at 23°C                                    |
| Recoat Time                | +/- 2 hours                                               |
| Specific Gravity           | +/- 1.45 kg/L                                             |
| Viscosity                  | +/- 110-115 KU                                            |
| Recommended WFT            | +/- 85 microns                                            |
| Recommended DFT            | +/- 65 microns                                            |
| Surface Temperature Limits | 10 – 13 °C                                                |
| Relative Humidity Limits   | < 50°C                                                    |
| Clean Up                   | Water while wet                                           |
| Flammability               | Non-flammable                                             |
| VOC                        | 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-WALL & CEILING** is recommended for:

- Interior ceilings
- Interior plastered walls
- Drywall and gypsum board surfaces
- Masonry and concrete substrates
- Residential and commercial interiors
- Decorative flat finish applications

Not recommended for areas subjected to high moisture exposure or surfaces requiring frequent washing.

### **Principal Characteristics**

- Smooth flat decorative ceiling coating
- Excellent hiding properties
- High light diffusion reducing surface glare
- Low odour water-based formulation
- Easy application by brush, roller or spray
- Good coverage and uniform appearance
- Suitable for large ceiling areas
- Economical interior decorative coating

### **Surface Preparation**

All surfaces must be sound, clean, dry and free from contamination such as dust, grease, oils or loose material.

New concrete or plaster surfaces must be allowed to cure completely before painting.

Porous or friable surfaces should be sealed using **THE LAB BIO-PRIME primer**.

Previously painted surfaces must be cleaned and any loose coatings removed prior to repainting.

Glossy surfaces should be lightly sanded to improve adhesion.

All surfaces must be allowed to dry completely before coating application.

### **Application Guidelines**

**BIO-WALL & CEILING** 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 environment.

Protect from:

- Direct sunlight
- Extreme heat
- Freezing temperatures

Keep containers tightly closed when not in use.

# THE LAB<sup>®</sup>

SPECIALIZED COATING SOLUTIONS AND PAINT SYSTEMS

*"Where quality meets purpose"*

COMPLETE COATING  
SYSTEMS FOR  
EVERY SURFACE



ENGINEERED FOR PERFORMANCE.  
BUILT TO LAST.

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

# 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](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.