

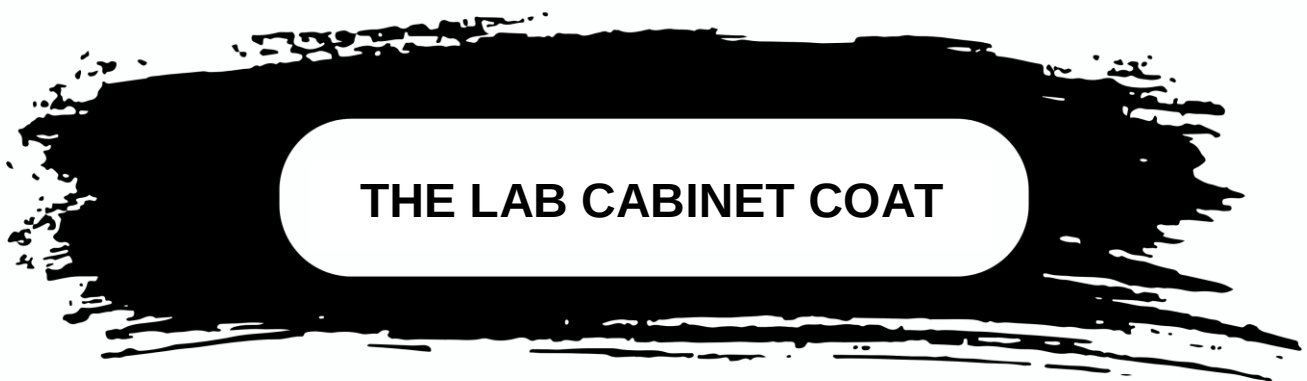
THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet

Version: 2026



THE LAB CABINET COAT

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Product Family: Specialised Protective Systems (Water-Based Furniture and Wood Coating)

Typical System Guidance

Typical wood coating system:

- 1 Clean and prepare wooden substrate
- 2 Apply primer coat if required
- 3 Apply first coat of **THE LAB CABINET COAT**
- 4 Allow coating to dry and lightly sand surface if required
- 5 Apply second coat for final finish

Additional coats may be applied depending on surface quality and finish requirements. Routine inspection and maintenance is recommended to maintain long-term coating performance.

Product Description

THE LAB CABINET COAT is a formaldehyde-free, water-based pigmented furniture coating designed for use on interior and exterior wooden surfaces where a smooth, durable satin finish is required. The coating is formulated using a multiphase polyurethane dispersion that provides excellent adhesion, sanding properties and build while maintaining a low VOC and environmentally friendly profile.

This coating can be used both as a primer and topcoat within wood coating systems and is suitable for application on MDF, chipboard and solid timber. **THE LAB CABINET COAT** produces a non-yellowing satin finish with good durability and excellent workability, making it ideal for cabinetry,

furniture, panelling and other decorative wooden components where a high-quality water-based finish is required.

Technical Data Summary

Product Type	Water-Based Furniture Coating
Finish	Satin
Colour	White and standard colours
Generic Type	Multiphase Polyurethane Dispersion
Solids	+/- 42 % by volume
Density	1.09 – 1.19 kg/L
Recommended Application	Min 120 g/m ²
Flash Point	Non-flammable
Application Method	Spray
Clean Up	Water
Substrate	Prepared wood surfaces
Dust Free	35 min @23°C
Handle	40 min @23°C
Sand	60 min @23°C
Stack	Overnight
Wrap	24 hours

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 CABINET COAT is used for coating wooden furniture and joinery components requiring a smooth decorative finish.

Typical applications include:

- Kitchen and bathroom cabinetry
- Wooden furniture
- MDF and chipboard panels
- Decorative wooden panelling
- Interior joinery and wood trim
- Timber furniture and fittings
- Interior and exterior wooden panelling.

The product may be used as both a primer and finishing coat within water-based wood coating systems.

Principal Characteristics

- Water-based environmentally friendly coating
- Low VOC formulation
- Satin decorative finish
- Non-yellowing coating film
- Excellent sanding properties
- Good film build
- Suitable for MDF, chipboard and solid timber
- Minimal odour during application
- Formaldehyde-free formulation.
- Suitable for both primer and topcoat applications.

Limitations

THE LAB CABINET COAT is not recommended:

- For application below 10°C.
- Onto damp or contaminated timber.
- Without adequate surface preparation.
- Where prolonged water immersion is expected.
- Outside the recommended application conditions.

Surface Preparation

All surfaces must be clean, dry and free from grease, oil, dust and loose material before application.

Previously painted or coated surfaces must be cleaned thoroughly and any loose or friable coatings removed. Surfaces should be sanded where necessary to provide a suitable profile for coating adhesion.

Wood substrates such as MDF, chipboard and solid timber must be properly prepared prior to coating to ensure a smooth and uniform finish.

Clean using an approved wood cleaner where contamination is present.

Application Guidelines

THE LAB CABINET COAT 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:

- Rain is imminent
- Surfaces are wet or contaminated
- Ambient Temperature: **10–40°C**
- Surface Temperature: **10–40°C**
- Relative Humidity: **10–65%**

Ensure recommended spreading rates are maintained to achieve correct film thickness. Allow adequate drying time between coats.

- Stir thoroughly before use with a flat paddle.
- Product supplied ready for use.
- Do not thin unless approved.

Storage

Store in sealed containers in a cool, dry and well-ventilated area away from direct sunlight and extreme temperatures.

Containers should remain tightly closed when not in use.

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 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.