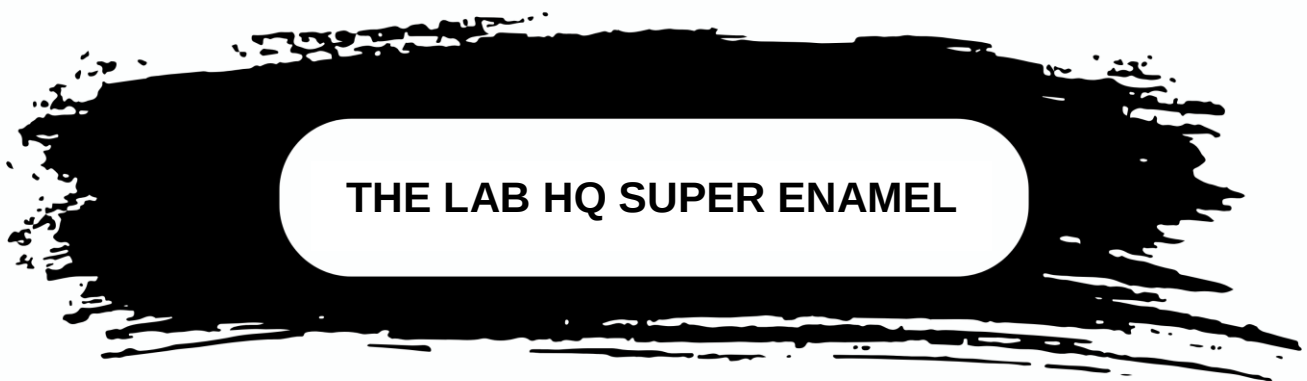


THE LAB[®]

Chemicals & Coatings



Technical and Material Safety Data Sheet
Version: 2026



THE LAB HQ SUPER ENAMEL

THE LAB HQ SUPER ENAMEL

Product Family: Specialised Protective Systems (Solvent-Based Decorative Alkyd Enamel)

Typical System Guidance

Typical decorative coating system:

- 1 Prepare and clean substrate
- 2 Apply suitable primer depending on substrate type
- 3 Apply undercoat where required
- 4 Apply first coat of **THE LAB HQ SUPER ENAMEL**
- 5 Allow sufficient drying time
- 6 Apply second coat to achieve full decorative finish

Additional coats may be applied depending on the required finish and coverage. Routine inspection and maintenance is recommended to maintain long-term coating performance.

Product Description

THE LAB HQ SUPER ENAMEL is a high-quality alkyd-based decorative enamel designed to provide a durable, high-gloss protective finish for interior and exterior surfaces. The coating produces a smooth, hard enamel film that offers excellent decorative appearance combined with long-term durability and resistance to weathering and everyday wear.

The product is commonly used as a finishing coat on suitably primed metal, timber and masonry surfaces where an attractive glossy finish and durable protection are required. **THE LAB HQ SUPER ENAMEL** provides good flow and levelling characteristics, allowing contractors to achieve a smooth

professional finish on architectural and decorative surfaces such as doors, window frames, handrails, gates and trim work.

The coating provides excellent gloss retention together with very good flow and levelling characteristics, producing a smooth professional decorative finish.

Technical Data Summary

Product Type	Alkyd Based Gloss Enamel
Finish	High Gloss
Colour	Various colours
Solids by Mass	Approx. 60 %
Solids by Volume	Approx. 38 %
Specific Gravity	Approx. 1.1
Recommended DFT	25 – 35 microns
Theoretical Coverage	8 – 10 m ² per litre
Flash Point	Approx. 38°C
Application Method	Brush / Roller / Spray
Thinner	Mineral Turpentine
Binder Type	Alkyd Resin
Viscosity	85–90 KU
Surface Dry	<4 hours
Hard Dry	<16 hours
Recoat	>16 hours
Drying Mechanism	Solvent evaporation followed by cross-linking
60° Gloss	13–19%
85° Gloss	34–55%
Packaging	1L & 5L

These values come directly from the original specification and will strengthen your Technical Data Summary.

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 HQ SUPER ENAMEL is used as a decorative and protective finishing coat on a variety of properly primed interior and exterior surfaces.

Typical applications include:

- Doors and window frames
- Metal railings and gates
- Steel structures and fittings
- Timber joinery and trim

- Fascias and architectural detailing
- Interior and exterior decorative surfaces
- Kitchen and bathroom walls where a washable finish is required
- Offices
- Schools
- Classrooms
- Passages

The coating is ideal where a durable high gloss finish is required for both decorative and protective purposes.

Principal Characteristics

- High gloss decorative enamel finish
- Smooth flow and levelling properties
- Good durability and weather resistance
- Easy to clean finished surface
- Suitable for interior and exterior use
- Good adhesion to primed surfaces
- Resistant to normal household cleaning
- Provides decorative and protective coating in one system
- Excellent gloss retention
- Excellent build and opacity

Limitations

- Do not apply below 4°C or above 40°C.
- Do not apply to damp substrates.
- Avoid application during adverse weather.
- Excessive film build may result in mud cracking.

Surface Preparation

All surfaces must be clean, dry and free from dust, grease, oil and loose material prior to coating.

New cement plaster, concrete and porous masonry should be cleaned to remove loose particles and laitance and primed with a suitable primer before coating.

Timber surfaces must be properly sanded and primed with a suitable wood primer.

Metal substrates should be cleaned, degreased and mechanically prepared to remove rust before applying an appropriate anti-corrosion primer.

Previously painted surfaces in good condition should be cleaned and lightly sanded to provide a key for adhesion. Loose or flaking paint should be removed before repainting.

Excessively friable masonry should be thoroughly cleaned before primer application.

Application Guidelines

THE LAB HQ SUPER ENAMEL 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.

- Intermix containers when different batch numbers are supplied.
- Do not attempt isolated touch-ups; repaint complete panels where appearance is critical.
- Do not use lacquer thinners or methylated spirits for thinning.
- Remove cured coating only with an approved paint remover.

Storage

Store in original sealed containers in a cool, dry and well ventilated area away from direct sunlight, sparks or heat sources.

Recommended storage temperature is between 5°C and 25°C.

Containers must be kept tightly sealed when not in use.

Keep away from direct heat and sunlight.

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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.

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 Hazchem: 3[Y] SAPMA: 2-H-E

In emergency contact: The Lab Chemicals & Coatings @ 0845071767

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

[- R10][Xn R65]

EC Classification: - Xn R10,65 S02,13,43A,62

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

WHITE SPIRIT<0.1% BENZ (WS3) >10%

[CAS #: 64742-88-7] [E.C. #: 649-405-00-X]

EEC Labels: XN OEL 575mg OEL 100ppm STOEL 720mg STOEL 125ppm RL

Acrylic resin >25%

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating: 2-MODERATE - Temporary or minor injury possible even if treatment given

Inhalation: Irritating, narcotic. Can affect CNS.

Skin: HARMFUL BY CONTACT.

Eyes: Highly Irritating and risk of irreversible damage.

Ingestion: Harmful. May cause lung damage if swallowed.

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. In case of discomfort seek medical attention.

Skin: Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention

Eyes: ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flammable with toxic fumes.

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

Cool containers in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid - use earthing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating: 2-H-E PPE: Respirator and Eye protection

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: Avoid direct contact. Use barrier cream and impervious gloves.

Eyes: Use goggles. Avoid direct contact.

Ingestion: Observe the rules of hygiene. Wash before eating or drinking.

OEL Type: Mix- Mixture - See Section 2



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: PAINT Description: Viscous liquid Smell: Pungent

Boil. pt (C): >35

FlashPoint (C): >23

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

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

Contact your nearest municipal offices.

SECTION 14. TRANSPORT INFORMATION

UN no: 1263 Packing group: III IMO Class: 3.3

Hazchem: 3[Y]



SECTION 15. REGULATORY INFORMATION

EC no. : N/A Contains: WHITE SPIRIT<0.1% BENZ (WS3)

EC Classification: - Xn R10,65 S02,13,43A,62

R10 - Flammable

R65 - Harmful: May cause lung damage if swallowed.

S2 - Keep out of reach of children. (Retail sales items)

S13 - Keep away from food, drink and animal feeding stuffs

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
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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