

THE LAB[®]

Chemicals & Coatings

-BIO-THERMOSEAL-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

DISCLAIMER AND IMPORTANT SAFETY NOTICE

To the best of our knowledge the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact THE LAB CC before ordering to ensure the correct products are used for application. No guarantee of accuracy is given nor implied. We guarantee that all THE LAB CC products have undergone quality control procedures to conform to THE LAB CC quality control standards. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to the replacement of products. Prices and cost data, if shown, are subject to change without prior notice. The factory will NOT be responsible for damage or loss if application is not done by THE LAB CC trained applicators or if THE LAB CC specifications are not adhered to. It is the customers' responsibility to ensure they familiarize themselves with the correct application methods and ask for help from THE LAB CC. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY THE LAB CC, EXPRESSOR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SUPPLIER IDENTIFICATION AND INFORMATION

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THE LAB BIO-THERMOSEAL

(Water Base)

BIO-ALGAE advised for treatment of algae or fungal growth.
BIO-WASH advised as a cleaner for all Roof types
BIO-RUST - Primer for IBR and Corrugated Roofs
BIO-BOND - Primer for Tile/Cement/Asbestos Roofs
THE LAB BIO-THERMOSEAL - As a flexible Waterproof Heat reflective Topcoat
(This is a maintenance specification - Inspect roof periodically)

DURABLE, FLEXIBLE and
WASHABLE ROOF COATING

Description

THE LAB BIO-THERMOSEAL is a flexible medium-build coating with an attractive satin finish. It has exceptional exterior durability and flexibility. It is UV, alkali, mould and water resistant. A unique multiphase emulsion formulation for waterproofing of roofs, parapets plus delivers superior dirt resistance with build in **THERMAL** properties.

Intended Uses

Primary function as a elastomeric roofing solution.

It forms part of an Encapsulation system with flexible waterponding handling capabilities. Can be applied over existing Bitumen coatings. Will bridge hairline cracks and suitable to be installed with a waterproofing membrane with upto 25% heat reflective properties.

Suitable as a waterproofing product for:

Cement Roofs
IBR
Corrugated Roofs
Tile Roofs
Asbestos Roofs

(contact your sales representative for recommendation)

Properties

Colour:	Standard Colours
Gloss Level:	Satin
Volume Solids:	Approx. 40.5% by mass, 28.5% by Vol
Application Method:	Brush, Roller or Spray
Drying times:	(25°C, 50% RH)
- Touch Dry:	30 minutes
- Re-Coat:	2 hours
Flammability:	Non-flammable
Viscosity:	120 – 125 KU+
Spread Rate:	4-6 m ² /l per coat @ 85 µm DFT (This serves as a guide only)
Clean-Up:	Water

Maintenance

No special requirements. Any damage identified during normal inspections should be repaired or replaced as required.

Application instructions

Surface preparation

Previously painted surfaces in good condition:

Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **BIO-WASH** solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of **BIO-WASH**. Alternatively if possible, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish to aid adhesion.

New Work

Tile, Cement and Asbestos surfaces:

Clean with BIO-WASH solution to remove all contaminants
Apply **THE LAB BIO-BOND** as primer
(recommended primer – Consult sales representative).

Metal surfaces:

Remove completely by scraping, wire brushing, sandpapering, etc. to expose the underlying substrate. Apply **THE LAB BIO-RUST when rusted** with / or **THE LAB BIO-STEEL** metal not rusted.
(recommended primer – Consult sales representative).

Previously painted surfaces in poor condition:

Completely remove paint by most appropriate means, then treat the same as for new work.

Application

Mixing: Stir thoroughly with a flat paddle until homogeneous.

Method: Brush, roller or airless spray
(Consult sales representative for spray equipment specifications)

Thinning: Not recommended - Ready for use.

Cleaning: Water

Safety Precautions

Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. Harmful if swallowed. Do not induce vomiting. Seek medical attention.

Warranty

Refer to THE LAB Terms and Conditions on our website at www.thelabcc.co.za

THE LAB BIO-THERMOSEAL

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/

PREPARATION Name : THE LAB BIO-THERMOSEAL

Date Issued : 24/01/2024

CAS no. : n/a

EC no. : n/a

UN No. : 1263

SAPMA : 4-H-C

In emergency contact **THE LAB** Cape Town

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. HAZARD 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. Use

Skin : only as directed.

Eyes : Avoid direct contact. Never touch eyes with dirty hands or gloves.

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



THE LAB BIO-THERMOSEAL

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 with 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.

Note:

- The recommendations contained in these data sheets are based on results obtained from tests and experience. It is believed to be reliable but is given as a guide only.
- No guarantee is implied by the recommendations contained herein since conditions of use, method of application and preparation of the substrate prior to painting are beyond our control.
- Our technical section should be contacted to clarify recommendations and specifications for projects, either of a specific or general nature.