

THE LAB[®]

Chemicals & Coatings

-BIO-THERMGUARD-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

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BIO-THERMGUARD

Advanced ROOFCARE System

COPOLYMER Technology

Recommended specification:

THE LAB-BIO-ALGAE advised for algae or fungal growth.
THE LAB BIO-WASH advised for all roof tipe substrates
THE LAB BIO-BOND– Primer (Tile, Fibrecement, Asbestos roof)
THE LAB BIO-RUST - Primer (IBR,Corrugated Roof)
THE LAB BIO-THERMGUARD - Topcoat
This is a maintenance specification (Inspect roof periodically)

An economical addition to roof insulation system.

Description

THE LAB BIO-THERMGUARD is a Copolymer-based coating which cures to form a tightly adherent, heat-reflective weatherproof membrane

- Tolerates thermal movement in the substrate without splitting or cracking and will retain its elastomeric properties.
- Chemical and pollution resistant surface that has been specially engineered to shed dirt to ensure it retains a bright, attractive appearance.
- Vapour permeable and allows entrapped substrate moisture to escape without causing blistering or delamination.
- Produces an effective barrier to carbon dioxide diffusion and therefore provides reinforced concrete with an excellent defense against harmful effects of carbonation

Uses

Principal Characteristics:

- Has an excellent adhesion property to almost any substrates, which has been primed with THE LAB Primer range
- Quick drying and multiple coats can be applied in the same day.
- The coating system contains a high degree of elasticity even when fully cured.
- Provides excellent UV stability and heat reflective properties
- This coating can withstand aggressive scrubbing, dries to a satin finish and has a long life expectancy.
- When cured, the product have excellent water proofing qualities and can .
- Is supplied ready for application and does not require thinning, in fact the product should not be thinned.
- No noxious fumes or odours during application

Not recommended for use on substrates permanently submerged in water (pools, dams, ponds)

Application instructions Surface preparation

Before application, surfaces must be cleaned with THE LAB BIO-WASH to help remove all loose material, particles and any contaminations. Previously painted and old primed surfaces must be cleaned by removing all grease, paint and loose friable dirt.

Application

Suitable to apply with brush, roller and spray (Contact sales representative for THE LAB spray Equipment specifications)

Apply a minimum of two (2) coats

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.

Properties

Colour:	THE LAB Standard Colours
Gloss Level:	Satin
Application Method:	Brush, Roller or THE spray
Drying times:	(25°C, 50% RH)
Touch Dry:	30 minutes
Re-Coat:	2 hours
Flammability:	Non-Flammable
Spread Rate:	2-4m ² /l per coat This serves as a guide only
Clean-Up:	Water

Maintenance

Any damage identified during normal inspections should be repaired or replaced as required

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : **THE LAB BIO-THERMGUARD**

Date Issued : 02/04/2021 CAS no. : n/a EC no. : n/a

UN No. : 1263 SAPMA : 4-H-C

In emergency contact THE LAB

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 reTHE LABiratory protection. Skin : Use only as directed.

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

Ingestion : Observe the rules fo 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. DITHE LABOSAL INFORMATION

Use reputable waste diTHE LABosal contractors. Exercise caution in diTHE LABosal of used containers.

SECTION 14. TRANTHE LABORT INFORMATION

Not classified as dangerous for tranTHE LABort

**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 reTHE LABect of accuracy. No reTHE LABonsibility 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 THE LABecifications for projects, either of a THE LABecific or general nature.