

THE LAB[®]

Chemicals & Coatings

-BIO-THERMOGUARD-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

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THE LAB BIO-THERMOGUARD

(Water Base)

A cost-effective addition to under – roof insulation system.

Description

THE LAB BIO-THERMOGUARD is a water-based pure acrylic heat reflective coating. It has advanced ceramic bead technology with reflective properties of up to 40%.

It will cool your home in summer, insulate your roof in winter and also waterproof your roof. The product is environmentally friendly and does not emit noxious fumes and odours during and after application.

Low sheen/silk fine texture finish available in Limited THE LAB standard colours, White and Light Grey.

Due to the unique formulation, the paint acts as a one-way membrane, allowing moisture to escape to the surface and has excellent heat reflective properties.

THE LAB BIO-THERMOGUARD has excellent adhesion to practically any surface and is Colour fast, fungi retarded and heat resistant. (UV protection by natural pigmentation).

The product will not harden or deteriorate with age and can withstand aggressive scrubbing and has a low flame index. It is also non-toxic.

Uses

THE LAB BIO-THERMOGUARD has seal and adhering properties and can be applied to concrete, metal, wood etc. The ideal area for application is metal / tile roofs.

Properties

Colour: White or Light Grey
Gloss Level: Satin
Application Method: Brush, Roller or Spray

Drying times: (25°C, 50% RH)
Touch Dry: 45 minutes
Re-Coat: 2 hours

Flammability: Non-Flammable
Spread Rate: 3-5 m²/l per coat
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

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. No other paint should be applied over Zero V.O.C Environmental Maintenance Technology Products as this will defeat the purpose of the technology.

Application

Suitable to apply with brush, roller and spray.(Contact sales representative for 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.

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MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : THE LAB BIO-THERMOGUARD 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, 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.

Skin : Use 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.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : Non-hazardous material

Description : Viscous liquid

Smell : Pungent

FlashPoint (C) : n/a

THE LAB BIO-THERMOGUARD

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.