

THE LAB[®]

Chemicals & Coatings

-INDUSTRIAL FLOORPAINT-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

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THE LAB INDUSTRIAL FLOORPAINT

(Waterbase)

Recommended specification:
THE LAB BIO-WASH Advised to clean dirt and degrease for oil patches
THE LAB EPOXY PENETRATING PRIMER
BIO-BOND – Primer Universal

DESCRIPTION

THE LAB FLOORTECH is a single component water-based polyurethane floor paint. It uses a unique polyurethane technology that offers the high performance of certain twin pack systems, but in an easy no-mix formula. This tough, long lasting floor paint resists scuffing, fading, cracking and peeling and stands up to foot traffic and abrasion. Chemical and stain resistant. It protects and beautifies floors, offering a colourfast, luxurious medium sheen finish that enhances substrate texture. Application is easy with its low odour, quick drying formula that is lead free and environmentally friendly.

PRACTICAL USES

Garage and studio floors. Balconies, verandahs and walkways.
For commercial and residential floors, showrooms.
Light industrial floors. Kitchens and restaurants. For new and previously painted cement floors.

PROPERTIES

- Single component – easy, no-mix formula.
- Polyurethane performance for toughness.
- Excellent scratch, scuff and wear resistance.
- Chemical and stain resistant.
- Quick drying – rapid hardness development.
- Resists hot tyre pick-up.
- UV and weather resistant
- Colourfast & non-yellowing.
- An attractive low sheen finish in a variety of decorative colours
Can be easily touched up.
- A smart, easy to clean floor.
- Water-based and environment friendly.
- Odourless and lead free.
- Comprehensive application instructions.

SURFACE PREPARATION

New concrete and porous cement surfaces:

- Surfaces must be clean and dry before painting.
 - Freshly poured concrete must be allowed a minimum period of six weeks to dry before painting.
- All surfaces should be acid etched.
Allow 10- 15minutes reaction time before rinsing clean.

NOTE:

When using acid etch, protect hands and eyes with rubber gloves and goggles.
Wear old clothes and rubber boots.

Old concrete and porous cement surfaces- not previously painted:

Old concrete and cement surfaces which have been in use for a long time should be thoroughly scrubbed with Cleaner /Degreaser to remove dirt, fats and oils. Follow with copious of clean water and allow to dry. If cement is smooth, acid etch as above.

TECHNICAL DATA

TYPE	: Water Based
DRYING TIME	: Temperature @ 28°C Surface Dry 3 Hours
OVERCOATING	: 4 hours
APPEARANCE	: Satin
VOLUME SOLIDS	: 35% (+/- 2)
SPREAD RATE	: 8-10m ² /l @ 50µ DFT
FLASHPOINT	: N/A
COLOUR RANGE	: See Colour Chart
THINNERS	: Water
SHELF LIFE	: 12 months
PACK SIZE	: 5lt & 20lt

Previously painted concrete surfaces:

Surfaces must be clean and in sound condition before painting. All flaking paint must be removed and the surfaces should be rubbed down with abrasive paper to provide a “key”. Wax polish may be removed by washing with Clean/Degreaserr or a strong detergent recommended specifically for this use. Contamination of the paint with wax polish will affect the drying properties.

Painting:

Apply two coats allowing at least 4 hours drying time between coats. Apply reasonably quickly to avoid lap marks.

PRECAUTIONS

Do not apply to surfaces which are damp or wet. Maximum moisture content should not be exceed 15%.

When applying over old painted surfaces it is recommended that the test patch be done to determine adhesion prior to painting the entire floor.

SAFETY

Water based Non-hazardous. Refer to the 16 point Material Safety Data Sheet.

GENERAL

Different surfaces and environmental conditions require specific painting systems to produce the best possible results. It is therefore recommended that you contact a Sales Representative for advice on all your painting requirements whenever possible.

ESSENTIAL STEPS T O ENSURE SUCCESSFUL APPLICATION**INSPECTION**

Allow new cement at least 28 days to cure. All surfaces must be dry. Check the cement floor for conditions that might interfere with proper adhesion; such as moisture, loose crumbling cement, cement dust, floated or shiny cement floors, sealed cement, release agents, curing compounds, salts, efflorescence and laitance, dust, oil and grease.

All surfaces must be primed with a recommended Cement Floor Primer to aid adhesion and resist the alkalinity inherent in cement.

TEST THE TOPCOAT

Always apply a test patch of THE LAB FLOORTECH to ensure the substrate has been properly prepared and primed. Check adhesion of the coating by cutting a small X in the coating using a sharp utility knife. Firmly apply a piece of packaging tape over the centre of the X cut, then pull off with a fast snap. The adhesion is suitable if no significant coating is removed beyond the X cut. If the coating fails this test, then additional surface preparation is required - repeat the above steps.

PREPARATION

Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease.

PREVIOUSLY PAINTED CEMENT

Loose paint: If the paint is peeling and flaking, or can be easily removed with a paint scraper then all the paint need to be removed before application.

Smooth, hard or glossy painted surfaces:

Such as an oil based enamel or stoep paint, these should be abraded with 80-100 grid sandpaper before application

In the case of an Epoxy coating, even more careful abrading and dulling is needed. Apply a test area. Recommended cement primer and THE LAB FLOORTECH as per instructions and test adhesion after 7 days.

If adhesion is poor, additional abrading is necessary.

Sound condition:

If the paint is in a sound condition with good adhesion, then clean the surface with Cleaner/Degreaser as per instructions

Dust, oil and grease: The floor should be clean, structurally sound and free of dust, oil and grease.

Clean the floor with Cleaner/ Degreaser as per instructions, rinse with water and allow to dry completely. The system is not recommended in instances where there is significant oil contamination where the grease and oil has been heavily impregnated into the concrete.

* Efflorescence: a white powdery substance on a cement surface.

* Laitance: a hard, solid layer that forms

WHEN TO PRIME

All unpainted or previously painted cement floors require a base coat of Recommended cement primer which will provide a foundation coat that forms a chemical bond with the cement.

Apply Recommended cement primer as per instructions.

PROTECT:**APPLICATION OF THE TOPCOAT**

To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers you purchase.

Stir THE LAB FLOORTECH well using a flat paddle. Do not dilute with water.

Paint the edges first using a brush, then paint the rest of the floor using a mohair roller, moving towards the door/exit.

Apply two coats to achieve complete obliteration. Apply further coats in high wear areas.

Allow thorough drying between coats – approximately one hour depending on the room temperature.

Because the topcoat dries quickly, over rolling may affect the final colour.

To create a non-slip surface, add a suitable non-slip additive to the finish coat as per manufacturer's instructions and mixture

Apply in the normal fashion.

The floor can be used for light traffic 24 hours after applying the final coat.

The floor can be put into full service after 7 days.

For future repainting: overcoat as per manufacturer's instructions.

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : THE LAB INDUSTRIAL FLOORPAINT

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. 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 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.