

THE LAB[®]

Chemicals & Coatings

-ETCH METALPRIMER-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

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Technical Data Sheet

THE LAB ETCH METAL PRIMER

Direct to metal

(WATERBASE)

THE LAB ETCH METAL PRIMER is a convenient direct to metal adhesion Primer, anti-rust coating and attractive topcoat in one that offers maximum rust protection.

Pack Size	5Lt & 20Lt	U.V. Resistance	Excellent
No of components	1	Abrasion resistance	Excellent
Overcoating Time	±2 Hours	Density	1.10 g/cm ²
Volume Solids	36% to 38%	Toxicity	Non Toxic
Service temperature	-15°C to 40°C	Fire Hazard	Non Flammable
Application temperature	10°C to 35°C	Shelf Life	2 years
Flexibility	Good	Storage	Cool, dry area below 25°C
Weathering	Excellent		

- Convenient 3 in 1: adhesion primer, anti-rust coating and attractive topcoat in one.
- For new, corroded and previously painted metal.
- Apply direct to bare mild steel, stainless steel, wrought iron, galvanized iron, aluminium, zinc, copper and brass.
- Residential and light commercial metal surfaces, gates, fences, railings, balustrades and handrails, doors, windows, burglar bars, trims, shutters, garage doors, outdoor furniture, playground equipment, lighting fixtures, piping, farm implements, machinery and storage tanks.
- Interior and exterior use.
- Restores metal surfaces.
- Hammered finish hides dents, scratches and weld joints.
- Good gloss retention on Smooth finish.
- Water repellent.
- Resists dirt pick up.
- Washable and resists household chemicals and stains.
- Maximum rust protection.
- Convenient one can application – saves time and effort.
- Excellent adhesion.
- Tough long lasting barrier.
- Attractive enamel finish in a variety of finishes and colours.
- UV- and weather-resistant - good colour retention.
- Rapid drying.
- 8 year protection.
- Good flow and levelling.
- Abrasion and scratch resistant.
- High build with excellent obliteration.
- Flexible to withstand varying temperatures.
- Hammered Finish: A fine metallic lustre with a hammered appearance. Ideal to hide dents, scratches and weld joints.
- Smooth Finish: A smooth, silky surface with a high gloss finish.
- 2 coats @ 8 – 10m²/litre per coat. Depending on surface conditions.
- Wet film thickness: 80-120 microns per coat
- Dry film thickness: 50-60 microns per coat
- A third coat is required for aggressive environments such as coastal and industrial areas.

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

- Remove all loose, flaking and embedded rust, mill scale and paint by simply scraping it off with abrasive tools such as coarse sandpaper, a wire brush, mechanical grinder, or sandblast (SA 2 ½ with a 40 to 50 profile) for large areas. Finish with a fine grain sandpaper afterwards to smooth the surface. Bring metal back to a sound condition.
- Clean substrate with Galvanized Iron Cleaner as per instructions.

UNPAINTED SURFACES - NEW OR WEATHERED:

- Abrade surface with coarse sandpaper to ensure good adhesion.
- The Lab Etch Metal Primer is self-priming, so no special primer is required.

PREVIOUSLY PAINTED SURFACES:

- Remove powdery or loose, flaking paint completely with a wire brush, sandpaper or high pressure cleaner. Abrade surface with coarse sand paper to ensure good adhesion. Wipe down with a slightly damp cloth and allow to dry.
 - Paint a test patch of THE LAB ETCH PRIMER and check for a reaction after the The Lab Etch Metal Primer has dried. If The Lab Etch Metal Primer does not dry or there is blistering, remove all old paint before applying The Lab Etch Metal Primer

Timing:

- Apply The Lab Etch Metal Primer within 12 hours of surface preparation, and immediately for aggressive environments, to prevent contamination and oxidation.
- It is important to follow the drying time between coats: 4 hrs for brush and roller application, and 1 hr for air assisted spray.
- Stir The Lab Etch Metal Primer using a flat paddle – stir well for Smooth finish, but do not over stir for Hammered finish.
- Brush and roller application: Thinning is not recommended. Apply two or more coats evenly with a soft bristle brush or mohair roller using short, smooth strokes. Apply quickly to small areas at a time. Do not retrace or overpaint until dry to prevent smudging
- Spray application: For air assisted spray, thin with up to 10% Water and stir well
- Ensure that edges and corners are properly coated to prevent chipping and moisture access.

CLEANING

- THE LAB BIO-WASH

COLOUR

Smooth Finish:

Black, Modern red, Green

- Dry paint colour and sheen may vary from colour label.
 - Check that paint containers carry the same batch number.
 - Take care when lifting and carrying. In transit, keep tightly closed in a secure upright position.
 - Whilst every care is taken in manufacture, no warranty is given relating to use.
 - Observe special precautions in aggressive environments such as coastal and industrial areas.
 - Do not apply outside if rain is expected or to hot surfaces. Apply when ambient and surface temperatures are between 5°C to 35°C. Avoid painting outdoors during the hotter parts of the day.
 - Keep cool and protect against freezing.
 - Donate unwanted paint. Dispose contents responsibly - do not empty into drains or watercourses. Recycle empty container.
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- Keep out of reach of children.
 - Wear protective gloves and clothing.
 - If swallowed: Immediately call a poison centre / doctor.
 - If on skin: Wash with plenty of soap and water.
 - Use in a well ventilated area. If experiencing respiratory symptoms: Move person to fresh air. Call a doctor.
 - If in eyes: Rinse with water.
 - In case of fire: Use a fire extinguisher.

THE LAB ETCH METAL PRIMER

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/

PREPARATION Name : THE LAB ETCH METAL PRIMER

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 of hygiene. Wash before eating, drinking or smoking.



THE LAB ETCH METAL PRIMER

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.