LM-100

Epoxy Line Marker

DESCRIPTION

LM-100 Epoxy Line Marker is a solvent free, high build epoxy coating designed for precise and durable floor demarcation. It produces a smooth, high gloss finish with excellent edge definition and long-lasting colour stability, ideal for marking walkways, safety zones, and traffic routes in industrial and commercial facilities.

LM-100 provides strong adhesion, abrasion resistance, and protection against chemicals and general wear, ensuring clear and durable markings even under heavy use. Its rapid curing and low odour characteristics allow efficient installation with minimal disruption to operations, while maintaining a clean and professional appearance over time.

Features & Benefits

- **Sharp edge definition with minimal bleed**
- **Excellent chemical and abrasion resistance**
- **Fast curing for quick return to service**
- **Solvent free and low odour**
- **Durable, glossy and easy to clean finish**
- **Suitable for industrial and commercial environments**
- **Long lasting colour stability**

Packaging Kit

LM-100 is supplied in pre-weighed units to ensure correct mixing ratios:
2.5 kg unit (Part A + Part B)

Coverage

2.5 kg kit covers approximately **125–150 linear metres** Theoretical range at 100 mm line width.

Actual coverage may vary depending on substrate texture, porosity, film thickness, and the application method used.

Environmental Conditions

Application should take place between 10 °C and 30 °C with substrate temperature at least 3 °C above the dew point. Ambient relative humidity should not exceed 75 % during application and for the first 48 hours of curing. Adequate ventilation is required to promote uniform curing.

Installations outside of these parameters may affect curing time, surface appearance and long term performance. For concrete bases in direct contact with the ground, a damp proof membrane should be incorporated into the slab design in accordance with CP102 Code of Practice for Protection of Buildings Against Water from the Ground.

Substrate Requirements

New Concrete Floors Concrete must be fully cured, clean, dry, and structurally sound. Remove all laitance and weak surface layers by vacuum shot blasting or diamond grinding to achieve a suitable mechanical profile.
Existing Concrete Floors Surfaces must be clean and free from oil, grease, coatings, and loose materials. Damaged areas should be repaired with a suitable epoxy mortar before application. Mechanical preparation is required to ensure good adhesion.
Coated Surfaces Existing coatings must be sound, clean, and lightly abraded to promote adhesion. Remove all loose or flaking material and verify compatibility before full application.

Priming Requirements

LM-100 should always be applied over a primer to ensure full adhesion:

- Dry substrates (<75 % RH): apply **EPR-100 Solvent Free Epoxy Primer.**
- Damp substrates (>75 % RH): apply **DPM-230 Moisture Tolerant Epoxy Primer.**

Highly porous surfaces may require two primer coats.

Mixing

All components should be conditioned to 15 °C – 25 °C before use. Part A (Resin) is poured into a clean container and Part B (Hardener) is added. The two parts are mixed using a slow speed drill (300–400 rpm) until a uniform blend is achieved. The mixed product must be applied immediately.

Product Application

Before application, mark out all lines and areas using tape or chalk to ensure accurate placement. Once mixed, **LM-100** should be applied immediately using a brush or small to medium pile roller in a thin, even layer. Apply with consistent pressure to achieve sharp edges and uniform coverage. Avoid excessive build up or pooling, particularly along tape edges. On porous surfaces, additional material or a second coat may be required to achieve full opacity and durability. Remove tape shortly after application, pulling it across the line to create a clean edge.

Maintain ambient and substrate temperatures between 10°C and 25°C during application, ensuring the surface temperature remains at least 3°C above the dew point. Adequate ventilation must be provided throughout the application and curing period.

Appearance

Gloss finish available in a wide range of standard colours according to the Jofa Resins colour chart. Bespoke RAL colours may be supplied on request.

Product Confines

LM-100 should only be applied if ambient temperatures are above 10 °C, when the substrate temperature is at least 3 °C above the dew point, and ambient relative humidity is below 75%. The coating performs reliably in continuous service up to 60 °C. Slight colour variation may occur under UV exposure without affecting performance.

Chemical Resistance

LM-100 exhibits excellent resistance to a wide range of oils, salts, alkalis, and dilute acids, making it suitable for use in demanding industrial environments.

Health & Safety

Refer to the Safety Data Sheet (SDS) before use. Applicators must wear appropriate PPE including chemical resistant gloves, safety glasses and respiratory protection in poorly ventilated areas.

Disposal of Containers

Empty containers must be treated with the same precautions as full ones and disposed of via an authorised hazardous waste contractor.

Any remaining Part A and B should be mixed together and allowed to cure before disposal.

Additional Information

Jofa Resins endeavour to ensure that all product guidance provided is accurate and correct. Information given by or on behalf of Jofa Resins is based on tests and installations and on our current knowledge and experience. It implies no warranty or guarantee arising from the use of its products as the substrate and site conditions and the actions of any installation team involved in product application is beyond our control. Whether or not in accordance with any advice, recommendation, specification, or information given by Jofa Resins.

Jofa Resins products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies which can be obtained upon request.

Please contact the Jofa Resins Technical Department for further assistance.

TECHNICAL INFORMATION

Shelf Life	24 Months when stored in unopened containers under proper conditions.
Pot Life Temp 20°C	15 to 20 Minutes
Curing Schedule 20°C	**Foot traffic:** 10-12 h • **Light traffic:** 24-36 h • **Full cure**: Up to 7 days
FeRFA Floor Guide	Type 2
Storage	This Product must be stored off the ground in original packaging, unopened and un-damaged. The ambient conditions must be dry and between 10°C and 30°C with no direct sunlight. Protect from frost.
Temperature Resistance	Up to 60 °C
Fire Classification EN 13501-1	B_{fl}-s1
Adhesion Strength EN 13892-8	>2.5 N/mm²

The above values, based on laboratory tests and our practical experience with this product, represent typical properties measured under standard laboratory conditions of 20 °C and 50 % relative humidity.

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