LINE MARKING

(YELLOW, WHITE & COLOURED MARKING)

Colour Plus Polyurethanes Pvt. Ltd.
An ISO 9001:2015 Certified Company

Description

Line Marking paint is a high-performance, **two-component Hybrid PU-based floor marking paint**. It offers excellent adhesion, abrasion resistance, and chemical durability, making it suitable for indoor and outdoor marking of concrete and epoxy floors.

Uses

1. Industrial Safety Marking

- Mark **hazard zones**, **emergency exits**, and **safe walkways**
- Indicate **forklift paths** or **moving equipment lanes**
- Highlight **machine boundaries** and **clear zones** around operating equipment

2. Warehouse & Logistics

- Define **storage areas**, **racking zones**, and **pallet positions**
- Mark **loading/unloading areas**
- Support **5S methodology** for lean manufacturing and visual management

3. Pedestrian Pathways

- Create dedicated **walkways** to separate foot traffic from machinery
- Guide people to **emergency exits** or **assembly points**

4. Parking Lots & Garages

- Mark **parking bays**, **direction arrows**, and **no-parking zones**
- Indicate **handicap spaces**, **fire lanes**, and **reserved areas**

5. Hazard Warnings

- Use coloured markings (e.g., yellow, red) to **warn of potential dangers**
- Highlight **trip hazards**, **low-clearance areas**, or **chemical zones**

6. Commercial & Public Buildings

- Guide visitors in **malls**, **hospitals**, **airports**, and **schools**
- Enhance **wayfinding** with color-coded lines or signs

7. Cleanroom & Laboratory Zones

- Differentiate areas based on **cleanliness levels**, **safety protocols**, or **chemical handling requirements**

8. Maintenance & Service Areas

- Mark **tool locations**, **equipment bays**, or **service paths**

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Features & Benefits

- Durable **Protection**: High resistance to abrasion, impact, and mechanical stress.
- Chemical Protects surfaces from oils, some of acids, alkalis, and weather exposure.
- Flexibility: Accommodates substrate movement, making it suitable for both rigid and flexible materials.

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• Aesthetic **Finish**: **glossy finishes**, with excellent colour retention and clarity.

• Adhesion: Strong bonding with substrates like concrete, metal, wood, and plastic.

- Available in a variety of **colours.**

Properties

Form	Part A – Base Part B – Hardener
Mixed Density	1±0.5
Application thickness	100-250 micron
Pot Life	30-40 minutes @ 25 degC
Tack free time	2-3 hours
Chemical Resistance	alkalis, petrol, diesel, lubricating oil etc.,

Additional Information

COVERAGE RATE	PACK SIZE	SHELF LIFE
Concrete : 40 Rmt/liter/coat	Packing Size: 4 Ltr/ box **Resin: 3 Ltr** **Hardner :1 Ltr**	12 months from date of manufacture if stored in shaded and dry area.

❖ **Note: Clear coat (Aliphatic PU) Protection coating required for outdoor application**

Application Methodology

1. Surface Preparation

- **Concrete must be clean, dry, and free of contaminants** (oils, grease, curing agents, etc.).
- **Mechanical profiling** (shot blasting, diamond grinding) to achieve a **Concrete Surface Profile (CSP) of 3–5**.
- **Moisture test** may be required—urethane cement can handle high moisture, but excessive levels may need a primer.

2. Mixing the Components

Polyurethane coating is a **two-component system** (resin, hardener).

- **Mix at correct ratios** using a **high-speed drill mixer** (low-speed for larger batches).
- **Mix time:** 2–3 minutes until a uniform consistency is achieved.
- Apply after mixing (usually 20–30 minutes).

3. Application Methods

B. Broadcast System (Slip-Resistant Application) (250 microns thickness)

- **Used for:** Heavy-duty, high-traction flooring.
- **Process:**
  1. Apply a **paint using roller**
  2. **Broadcast glass Beads** (0.1 to 0.3mm) into the wet material.
  3. Let it cure, then **remove excess Glass Beads.**
  4. Apply a **Clear coat** to seal and lock the broadcast layer.

Application Method

- **Tools**: Roller, brush, airless spray
- Apply in one or two coats depending on line thickness
- Stir each component separately before mixing
- Mix thoroughly and use within pot life

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- For skid resistance, anti-slip aggregates can be broadcast while wet

4. Curing & Finalization

- **Initial Cure: 6–12 hours** (light foot traffic).
- **Full Cure: 5–7 days** (chemical resistance and heavy loads).
- Maintain **proper temperature and humidity** during curing.

Tips for Best Results

✓ Work in **sections** to avoid material setting before spreading.
✓ Maintain proper **temperature and humidity** levels as per the product's technical data sheet.
✓ Use **spiked shoes** when walking on wet to avoid footprints.
✓ Always wear **protective gloves, eyewear, and a respirator** when handling epoxy products.

Application Restrictions

- Avoid application below 5 deg C and above 40 deg C. Pot life of mixed material will change based on ambient temperature.
- Substrate moisture must be checked prior to application.

General Terms & Conditions

Users must always refer to the most recent data sheet. Upon request, additional copies will be provided. This technical data sheet is given in good faith and does not guarantee the optimum utility of the product always. The information contained herein is believed to be reliable to the best of our knowledge.

Color Plus is exempted from all legal liability in case of injury incurred from product handing without appropriate technical precautions.

Color plus reserves the right to change the product specifications or properties. All orders are considered based on current delivery and sale infrastructures.

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