



# RM 34P

## Cold Plastic Road Marking Material

Pack Size  
5.075Kgs

## TDS Technical Data Sheet



### Description

RM 34P is a high-performance cold plastic road marking material formulated with Methacrylate resin. Designed for durable and highly visible road markings, it provides exceptional adhesion, rapid curing, and superior resistance to weathering and abrasion. The product ensures long-lasting performance in high-traffic conditions, making it ideal for various applications in urban and highway environments.

### Applications

RM 34P is suitable for a wide range of road marking applications, including:

- **Highways** – Lane markings, pedestrian crossings, traffic symbols.
- **Airports** – Runway and taxiway markings.
- **Urban Roads** – Stop bars, cycle lanes, pedestrian walkways, and parking lots.
- **Industrial Areas** – Floor markings in warehouses, loading docks, and factories.

### Physical Properties

Appearance	Smooth, pigmented viscous liquid
Color	White, yellow, or customized colors
Specific Gravity:	1.50 – 1.70 (varies with pigments/fillers)
Viscosity	3000 – 4000 cPs at 25°C
Mixing Ratio	Base: Hardener = 100:1.5
Flow Resistance, %:	<25
Pot Life	8 – 12 minutes at 25°C
Curing Time	15 – 30 minutes at 25°C
Dry Film Thickness	1 – 3 mm (depending on application)

Reflectivity	> 80 mcd/m <sup>2</sup> /lux (with glass beads)
Skid Resistance	≥ 45 BPN (British Pendulum Number)
Coverage	2 – 3 m <sup>2</sup> /kg (varies with thickness)

## Performance Characteristics

Characteristic	Details
Weather Resistance	Excellent resistance to UV, rain, and temperature variations.
Abrasion Resistance	Highly resistant to wear and tear.
Chemical Resistance	Resistant to oils, fuels, and industrial chemicals.
Adhesion to Substrate	Excellent bonding on asphalt and concrete.
Reflectivity	Enhanced when used with glass beads for night-time visibility.

## Application Guidelines

### 1. Surface Preparation

- Ensure the surface is clean, dry, and free from oil, grease, dust, and contaminants.
- For best adhesion, the surface should be mechanically cleaned or pressure washed before application.

### 2. Mixing Instructions

- Thoroughly mix the Base Component with the Curing Agent in the specified ratio (100:1.5 by weight).
- Mix for at least 2-3 minutes until a homogeneous blend is achieved.
- Use immediately after mixing to prevent premature curing.

### 3. Application Process

- Apply using a spray machine, roller, or brush, depending on project requirements.
- Ensure uniform coverage by applying an even coat across the designated area.
- For enhanced reflectivity, sprinkle glass beads onto the wet coating immediately after application.
- Apply multiple coats if required, allowing each coat to set before reapplying.

### 4. Curing Time

- Allow 15 – 30 minutes for curing before opening the area to traffic.
- Full curing may depend on ambient temperature and humidity levels.

## Storage and Handling

- Store in a cool, dry place (5°C – 25°C) away from direct sunlight and heat sources.
- Shelf Life: 6 months in unopened containers under recommended storage conditions.

## Health & Safety Precautions

- Wear personal protective equipment (PPE), including gloves, safety glasses, and respiratory masks, while handling the product.
- Ensure proper ventilation in the application area to avoid inhalation of fumes.
- Avoid skin and eye contact. In case of contact, rinse immediately with plenty of water and seek medical attention if irritation persists.
- Do not ingest. If swallowed, seek immediate medical attention and do not induce vomiting.

## Pack Size

5.075Kgs



**Data Reliability**

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

**Regional Compliance**

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

**Legal Disclaimer**

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.

**Carbolink India Pvt. Ltd.**

Hyderabad-India

Phone: **(+91) 92463 99551/ (+91) 88850 99551** Email: **info@carbolinkindia.com** Website: **www.carbolinkindia.com**