



# RM 31P

## Thermoplastic Road Marking Paint

Pack Size  
20Kgs

# TDS

## Technical Data Sheet



### Description

RM 31 P is a thermoplastic road marking paint formulated with cold acrylic resin, colored aggregate, filler material, and other essential components. It is designed for application on both bituminous and concrete roads, ensuring high durability and visibility. RM 31 P can be applied using airless or air-assisted spraying equipment, making it a versatile and effective solution for road marking projects.

### Specification

Density:	1.62 g/cm <sup>3</sup>
Abrasion Resistance:	20.1 (JM-100 elastic grinding wheel)
Wet Film Thickness:	300 ~ 350 µm
Solid Content:	>50%
Viscosity Coefficient (25°C, T-4)	: ≥100 seconds
Dry Film Thickness:	300 ~ 350 µm
Dosage:	2.8 square meters/kg (theoretical)
Surface Drying Time:	10 minutes
Full Drying Time:	45 minutes
Recommended Application:	One coat
Shelf Life:	One year (extendable upon inspection and validation)

### Advantages

- **Reconstruction:** Easily applied over existing road markings without the need for extensive cleaning or preparation.
- **Construction:** Simple and energy-efficient application process.

**Cost:** Economical with low equipment requirements, leading to lower overall project costs.

**Adhesion:** Strong adhesion to both asphalt and cement concrete surfaces.

**Equipment:** Suitable for use with both hand-push and truck-mounted machines, offering flexibility based on project needs.

## Areas of Application

RM 31 P is ideal for use in road marking projects on highways, parking lots, crosswalks, and other areas requiring clear and durable traffic markings. Its robust formulation ensures long-lasting performance even under heavy traffic and adverse weather conditions.

## Surface Preparation

Ensure the surface is clean, dry, and free of any contaminants, such as dust, oil, or debris, that could affect adhesion. Old road markings can remain in place, but any loose or flaking material should be removed to ensure a smooth and even application.

## Mixing and Application

- Mixing:** Ensure the RM 31 P is thoroughly mixed before application to achieve a uniform consistency.
- Application:** Apply the paint using a suitable spraying machine, ensuring even coverage across the entire surface. For best results, apply one coat with a wet film thickness of 300 to 350  $\mu\text{m}$ .
- Drying:** Allow the surface to dry for 10 minutes before exposure to light traffic, and a full 45 minutes for complete curing.

## Cleaning and Maintenance

Clean all tools and equipment immediately after use with an appropriate solvent. Cured material can only be removed mechanically.

## Storage and Shelf Life

Store RM 31 P in its original, sealed container in a cool, dry place away from direct sunlight and extreme temperatures. The product has a shelf life of one year, though it may be extended upon inspection and validation.

## Health and Safety

Avoid contact with skin and eyes. If contact occurs, rinse immediately with plenty of water and seek medical advice if necessary.

Wear suitable protective clothing, gloves, and eye protection during application.

Ensure adequate ventilation during application and drying.

Do not ingest. If swallowed, seek immediate medical attention and do not induce vomiting.

## Conditions of Sale

Sold subject to the Company's conditions of sale, which are available upon request.

## Note

The information provided in this datasheet is based on extensive experience and is given in good faith to assist you. Our Company policy is one of continuous Research and Development, and we reserve the right to update this information at any time without prior notice. We guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage that may arise as a result.

## Pack Size

20Kgs



## 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.