



# Technical Data Sheet

## BC Road Mark

### Road Marking Coating for Concrete & Asphalt

#### 1. Product Description

BC Road Mark is a high-performance, quick-drying road marking coating based on modified acrylic/alkyd resin, titanium dioxide, and high-grade, color-fast pigments.

It forms a flexible, water-repellent, abrasion-resistant film suitable for road markings on concrete and asphalt surfaces, even under hot and tropical climatic conditions.

BC Road Mark provides excellent visibility, durability, and resistance to traffic wear, making it suitable for both interior and exterior applications.

#### 2. Uses / Applications

BC Road Mark is suitable for use on:

- Concrete and asphalt roads
- Runways and taxiways
- Parking areas and car parks
- Krebs, pavements, and paving blocks
- Interior and exterior traffic markings
- Curved and irregular stone or concrete surfaces

#### 3. Features & Advantages

- Fast drying – traffic-ready in a short time
- Excellent abrasion resistance under vehicular traffic
- Good resistance to chemicals and hot tyre pick-up
- Flexible coating suitable for curved and uneven surfaces
- Good UV resistance and color stability
- Reduced dirt pick-up and contamination
- Smooth, medium-sheen finish
- Suitable for hot and tropical climates



## 4. Product & Technical Information

Property	Unit	Typical Value
Product Type	—	Road marking coating
Composition	—	Modified acrylic / alkyd resin
Appearance	—	Smooth, medium sheen
Colors	—	White, Yellow, Black
Solid Content	%	~70
Flash Point	°C	~30
Density	kg/L	~1.30 – 1.40 (typical)
Shelf Life	—	12 months
Storage Temperature	°C	+5 to +30

## 5. Application Information

### Consumption

- 2.8 – 3.0 m<sup>2</sup>/kg at 90–100 microns DFT
- Actual consumption depends on surface texture, porosity, profile, and application method

### Film Thickness

- Recommended dry film thickness: ≈100 microns

### Drying & Curing

- Dry to touch: ≈15 minutes at +35°C
- Rain resistant shortly after application
- Waiting time between coats: ≈12 hours



## 6. Application Conditions

- Ambient air temperature: +8°C to +35°C
- Substrate temperature: +8°C to +35°C
- Relative humidity: < 80%
- Substrate temperature must be at least 3°C above dew point

## 7. Surface Preparation

- Substrate must be sound, clean, dry, and free from dust, oil, grease, laitance, and loose material
- Tensile adhesion strength of substrate: > 1.0 N/mm<sup>2</sup>
- Suitable preparation methods include:
  - High-pressure water jetting
  - Steam cleaning
  - Mechanical cleaning or blast cleaning

Concrete substrates:

- New concrete must be at least 28 days old
- Cementitious repair materials must cure for minimum 5 days before coating

## 8. Mixing & Application

- BC Road Mark is supplied ready for use
- Stir thoroughly before application
- If required, thin with a suitable thinner up to 5–10% depending on application method
- For very dense substrates, the first coat may be thinned up to 10%

Application Methods

- Brush
- Short-pile roller
- Conventional spray
- Airless spray

Apply evenly, avoiding runs, sags, and excessive film build.

## 9. Packaging

- 4 kg pails
- 20 kg pails

(Custom packaging available on request)





## 10. Storage & Shelf Life

- Shelf life: 12 months from date of manufacture
- Store in original, unopened, and undamaged containers
- Keep in cool, dry conditions away from heat, moisture, and direct sunlight

## 11. Limitations

- Not recommended for application during rain or when rain is expected before initial drying
- Excessive thinning may reduce performance
- Surface preparation directly affects durability and adhesion

## 12. Health, Safety & Environment

- Use appropriate PPE during application
- Avoid contact with skin and eyes
- Ensure adequate ventilation during application
- Refer to the BC Road Mark Safety Data Sheet (SDS) for detailed safety, handling, and disposal instructions

### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

