



# MONARCOAT 700

## EPOXY RESIN LINE MARKING

### ABOUT MONARCOAT 700

Monarcoat 700 is a fast-cure, high-build epoxy resin coating developed for industrial and commercial environments where minimal downtime and clear floor demarcation are essential. It delivers a seamless, dust-free finish with excellent chemical and abrasion resistance, producing bright, long-lasting colours ideal for walkways, bays and hazard zones.

The system is a two-pack, high-pigment epoxy coating designed for durable, high-visibility markings in demanding industrial settings. Applied in two coats to achieve an overall dry film thickness of around 300-400 microns, it provides strong resistance to oils, chemicals and wear. Monarcoat 700 can be used as a standalone finish or overlaid onto other resin flooring systems where clear, reliable demarcation is required.

### APPLICATIONS

Monarcoat 700 is ideal wherever durable, high-visibility floor markings are required to support safe and efficient movement throughout industrial and commercial spaces.

#### Typical uses include:

- Pedestrian walkways, gangways and crossing points
- Forklift, pallet truck and light vehicle bay markings
- Hazard zones, warning signs, machine areas and operational safety boundaries
- MOT bays, automotive workshops and garage service areas
- Warehouses, logistics hubs and manufacturing floors requiring clear routing and traffic control
- Hatching, chevrons, directional arrows and other high-visibility markings used to manage workflow and improve site safety
- Bespoke stencil options are available

The system provides long-lasting, clearly defined markings that perform well under regular cleaning, repeated traffic and day-to-day industrial activity.



### AVAILABLE SYSTEM VARIATIONS

The standard Monarcoat 700 system addresses most industrial marking and protective coating requirements. There is an option for a Slip-Resistant Version. For enhanced underfoot safety, a selected aggregate can be broadcast into the coating to create a textured, slip resistant profile (Dry > 50 BS 7976-2). All versions use the same core Monarcoat 700 formulation, ensuring full compatibility and consistent performance.

## TECHNICAL OVERVIEW AND PERFORMANCE

| Property                 | Specification   |
|--------------------------|---|
| Type                     | FeRFA Type 3 high-build epoxy resin coating   |
| System                   | Two-pack epoxy (Base + Curing Agent) for hard-wearing demarcation and floor coating             |
| Finish                   | Gloss, coloured; slip-resistant option via aggregate broadcast                                  |
| Adhesion / Bond Strength | > 3.5 N/mm <sup>2</sup> (concrete failure)  |
| Recommended Thickness    | Typical overall DFT 300-400 microns (two coats)   |
| Coverage (typical)       | Approx. 4 m <sup>2</sup> per coat from a 2.5 kg unit (~0.25 kg/m <sup>2</sup> per coat)         |
| Pot Life (20 °C)         | 20 minutes  |
| Curing Times (20 °C)     | Pedestrian: 12 hours<br>Light wheeled: 24 hours<br>Full traffic: 48 hours<br>Full cure: 7 days  |
| Colours Available        | 12 standard colours; RAL/BS on request (light colours may yellow under UV)                      |
| Slip Resistance          | Dry > 50 (BS 7976-2); anti-slip finish achievable with aggregates                               |
| Hardness                 | Shore D > 75  |
| VOC                      | < 152 g/l (per fully mixed unit)  |
| Substrates               | Concrete ≥28 days; ≤75% RH; compressive ≥25 N/mm <sup>2</sup> ; pull-off ≥1.5 N/mm <sup>2</sup> |
| Shelf Life               | 12 months in unopened containers (stored 10-25 °C, dry, frost-free)                             |

### Important Notes and Disclaimer:

Performance values are typical and may vary depending on substrate condition, preparation method, temperature, humidity and ventilation. Colour and finish may differ slightly between batches, and cure times will be affected by site conditions. Slip resistance depends on the grade and loading of aggregate selected. All information provided is a general guide only; system performance and coverage rates are influenced by application technique and environmental factors. Monarch accepts no responsibility for variations arising from incorrect preparation, adverse conditions or deviations from the recommended installation procedure. Always refer to the latest technical data sheets for accurate guidance. Always consult the Monarch Technical Services team for project-specific advice.

## ADVANTAGES OF MONARCOAT 700

### High Visibility and Strong Demarcation

- High pigment loading produces bright, clear colours for walkways, bays and hazard zones
- Maintains opacity and definition even in busy industrial environments

### Fast-Cure for Minimal Downtime

- Rapid curing allows pedestrian access in approximately 12 hours
- Light vehicle use after 24 hours and full service within 48 hours

### Durable and Long Lasting

- High build formulation provides excellent abrasion resistance
- Withstands daily traffic, cleaning and industrial wear

### Chemical and Oil Resistance

- Resists oils, fuels, cleaning agents and common industrial chemicals
- Suitable for workshops, service bays and production areas

### Slip Resistant Options

- Standard system provides a smooth, gloss demarcation finish
- Aggregate broadcast can be added to achieve a slip resistant surface

### Versatile Colour Range

- Available in twelve standard colours
- Custom RAL and British Standard shades available on request

### Quality and Assurance

- Installed by trained, FeRFA-accredited operatives
- Manufactured and applied in accordance with relevant BS EN standards

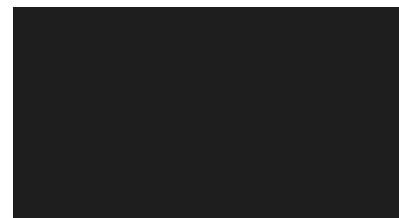
## MONARCOAT 700 COLOUR CHART



RAL 7035  
LIGHT GREY



RAL 7046  
MID GREY



RAL 9017  
BLACK



RAL 3011  
RED



RAL 6001  
EMERALD GREEN



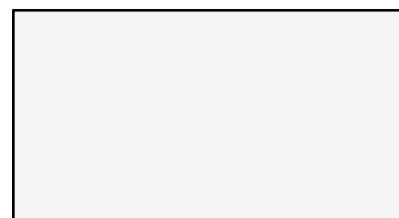
RAL 5017  
TRAFFIC BLUE



RAL 1032  
SAFETY YELLOW



RAL 3020  
SAFETY RED



RAL 9003  
WHITE

Variations in screen brightness and print methods may alter the appearance of colours. For precise colour matching, please contact us to request a hard sample.

## WHY CHOOSE MONARCH

### Accreditations and Quality Assurance

Monarch Resin Floors delivers every installation to the highest standards of safety, quality and long-term performance.

We are long-term members of The Resin Flooring Association (FeRFA) and SafeContractor approved, ensuring compliance with UK health, safety and environmental regulations.

All materials used in the Monarcoat 700 system are manufactured and tested in accordance with FeRFA guidelines and relevant BS EN standards for resin flooring. Each system is installed by trained and certified operatives, ensuring consistent application and professional results.

Established in 1987, Monarch is a third generation family business with specialist knowledge of industrial epoxy resin flooring across the UK.



### Contact and Technical Support

Monarch provides nationwide installation and free technical support for all resin coating systems. Our team offers guidance on specification, surface preparation, coating selection and performance requirements to ensure every project receives the right solution for its environment.

We assist with site assessments and system recommendations, helping you identify the most suitable coating based on operational demands, traffic levels and hygiene needs. Our technical team is here to support you from enquiry to installation.

For further advice, colour samples or to arrange a site visit, please contact us using the details below.

#### Contact Us:

#### Main Office Address:

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