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Technical Data Sheet

CEMSEAL TRAKFLOR LM

POLYURETHANE LINE MARKING SYSTEM FOR CAR PARK AND DEMARCATION AREAS

SYSTEM DESCRIPTION

CEMSEAL TRAKFLOR LM is a high-performance, polyurethane-based line marking coating system designed for car parks, warehouses, and other floor demarcation areas. The system provides superior colour retention, excellent UV stability, and durable adhesion to epoxy or polyurethane floor systems. It is available in both gloss and satin (semi-gloss) finishes to meet aesthetic and functional requirements.

KEY FEATURES AND BENEFITS

- Excellent colour and UV resistance
- Gloss and satin finishes available
- Seamless, durable, and bright line marking system
- Easy to clean and maintain
- Excellent adhesion on epoxy and polyurethane flooring
- Available in a wide range of colours

RECOMMENDED APPLICATION AREA

- Car park line markings and directional arrows
- Driveway lane demarcation
- Loading and unloading bays
- Factory or warehouse walkway markings
- Demarcation of safety zones and restricted areas

SYSTEM BUILD-UP

Layer	Description	Products
1	Primer	CEMSEAL P100SL
2	Body Coat	CEMSEAL E100PU-Top 2K
3	Topcoat	CEMSEAL E100PU-Top 2K

TECHNICAL PROPERTIES

Properties	Test Method	Typical Value
Adhesion Strength (Pull-off)	ASTM D4541	≥ 1.5 N/mm^2
Gloss Level	ASTM D523	Gloss / Satin (Semi-Gloss)

SUBSTRATE QUALITY & REQUIREMENTS

- Concrete substrate must be at least 28 days old
- Minimum compressive strength: 25 MPa
- Minimum pull-off strength: 1.5 MPa
- Moisture content ≤ 4% (by Tramex CM method)
- Surface must be sound, clean, free from oil, grease, curing agents, or other contaminants
- Mechanical surface preparation (e.g., grinding) is required
- All dust must be removed prior priming

APPLICATION CONDITIONS & LIMITATIONS

Parameter	Requirement
Ambient Temperature	+8°C to +35°C
Substrate Temperature	+8°C to +35°C ; ≥ 3°C above dew point
Relative Humidity	≤ 85%
Substrate Moisture Content	≤ 4.0% (Tramex CM method)

IMPORTANT NOTES

- Ensure the substrate is dry, sound, and properly prepared, and do not apply the system where rising moisture or hydrostatic pressure is present.
- Maintain substrate temperature at least 3 °C above the dew point and protect freshly applied coatings from moisture and condensation for a minimum of 24 hours.
- Treat all cracks appropriately before coating, ensuring static cracks are filled and dynamic cracks are detailed according to best practice.
- Use consistent material batch numbers within each application area to achieve uniform colour and appearance.
- Avoid application under extreme environmental conditions such as direct sunlight, very high substrate temperature, or strong wind.
- Ensure adequate ventilation during the application and curing of all flooring systems to prevent moisture buildup, condensation, and surface defects.
- Respect the recommended overcoating intervals to avoid adhesion issues, trapped moisture, or surface defects.
- Do not expose the system to heavy loads or traffic until full curing has been achieved based on the specified curing schedule.

INSTALLATION SERVICE

Installation shall be carried out by CEMSEAL-approved and trained applicators in accordance with CEMSEAL's documented quality assurance procedures and surface preparation guidelines.

Disclaimer:
The information and any recommendations relating to the application and end-use of all CEMSEAL products are provided in good faith based on CEMSEAL's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by CEMSEAL. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.

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