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Technical Data Sheet

CEMSEAL TRAKFLOR GD

EPOXY FLOORING SYSTEM FOR GROUND FLOOR CAR PARK DECKS WITH MOISTURE BARRIER

SYSTEM DESCRIPTION

CEMSEAL TRAKFLOR GD is a high-performance broadcast anti-skid epoxy floor coating system designed for ground-floor car park decks in direct contact with the earth, where moisture transmission is a concern.

This system incorporates a moisture-barrier layer to protect coating integrity and adhesion over time. It provides a durable anti-skid surface suitable for both driveways and parking bays exposed to wet or high-traffic conditions. CEMSEAL TRAKFLOR GD is suitable for installation on aged concrete substrates with proper surface preparation.

FEATURES AND BENEFITS

- Seamless and monolithic system
- Excellent moisture resistance from ground contact
- High mechanical and chemical durability
- Anti-skid surface for improved safety
- Low maintenance and long service life

RECOMMENDED APPLICATION AREAS

- Ground floor car parks in commercial, residential, or industrial buildings
- Areas with risk of rising moisture or exposed to wet ground conditions
- Internal and semi-exposed parking driveways and bays

SYSTEM BUILD-UP

Layer	Description	Products
1	Primer	Cemseal P100WB
2	MB + Broadcast	Cemseal MB200BC + Cemseal E500SL Part C
3	Seal Coat	Cemseal E100SL
4	Topcoat	Cemseal E100PU-Top 2K

TECHNICAL PROPERTIES

Properties	Test Method	Typical Value
Compressive Strength	ASTM C579	> 60 N/mm^2
Flexural Strength	BS EN 13892-2	> 5 N/mm^2
Shore D Hardness (Taber, CS-17,1000g, 1000 cycles)	ASTM D4060	≤ 50mg loss
Hardness (Shore D)	ASTM D2240	≥ 75
Slip Resistance	BS 7976-2	Dry ≥ 40, Wet depend on specification (in accordance with HSE and UKSRG guidelines)
Adhesion Strength (Pull-off)	ASTM D4541	≥ 1.5 N/mm^2

SUBSTRATE QUALITY & REQUIREMENTS

- Concrete minimum 28 days old, moisture content ≤4% (Tramex CM method)
- Minimum compressive strength : 25 MPa
- Minimum pull-off strength : 1.5 MPa
- Substrate must be clean, sound, and free of laitance, oil, grease, coatings, and contaminants
- Mechanically prepared (e.g. grinding or shot blasting) to CSP 3-5 profile
- High spots ground off, and all dust removed via vacuum
- Concrete substrate should ideally be burnished during casting to improve surface density before surface preparation

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%
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 must be carried out by a licensed and trained contractor in accordance with Cemseal Industries installation guidelines and quality-assurance procedures.

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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