

MasterSeal Traffic 2271

Economical glossy car park deck coating system according to EN 1504-2 and German DIN V 18026, Class OS 8 for hard wearing with aesthetic surface is required

DESCRIPTION

A 1.5-2.5mm thick slip resistance watertight car park deck system for intermediate car parks and ramps.

The system is based on advanced epoxy resin to offer excellent wearing resistance property for the decking. It consists of an epoxy scratch primer and hard wearing epoxy top coat.

FIELD OF APPLICATION

MasterSeal Traffic 2271 is intended for use on intermediate and basement car park decks and ramps where a hard wearing with aesthetic surface is required. Weather resistance when a selected topcoat applied.

Degree of slip resistance is adjustable to suit for different service condition and cleaning requirements.

FEATURES AND BENEFITS

- EN 1504-2 and German DIN V 18026, Class OS 8 certified
- Attractive appearance with wide color ranges
- Low dirt and tyre marks retention
- Excellent wear and slip resistance
- High vapour permeability that low risk of blistering and monolithically bonded to the substrate
- Impervious and seamless for easy to clean and maintain
- Weather and UV resistant
- Resistant to fuels, battery acid, de-icing salts, alkaline cleaners
- Solvent free and complies with HK EPD requirement
- Seamless coving available
- LEED certification

SLIP RESISTANCE

Slip resistance will vary depending upon the method, conditions of application aggregate size and dosage of broadcasted aggregate, the nature of any polishes used and the standards of housekeeping.

| | | |
|----------------------------|--------|----------------|
| Slip resistance level, wet | 60 | DIN EN 13036-4 |
| Slip resistance level, dry | R12 V8 | DIN 51130 |

COLOURS

A range of colours are available contact your local BASF Construction Chemicals for further information.

CLEANING AND MAINTENANCE

Regular cleaning and maintenance of the MasterSeal Traffic system will enhance its appearance and prolong its service life.

Consult BASF Construction Chemicals for more information.

METHOD STATEMENT ENVIRONMENT

The applicator requires sole access to the installation area throughout the application. The area should be clean and dust free, and where necessary closed to the environment.

It is prudent to ensure that the installation is undertaken as the final operation during refurbishment works to preclude damage by other trades and ensure a monolithic application.

Refer to product datasheets and project specifications.

SUBSTRATE

MasterSeal Traffic 2271 must be applied to a clean, dry substrate free from dust, dirt, oil, grease and other contamination. This is best achieved by mechanically preparing the substrate using captive shot-blasting (Blastrac), floor plane (Von Arx) and diamond-grinding as required.

Use mechanical methods of surface preparation as dictated by the size of area to be treated, the location and degree of contamination.

The substrate should be sound with a tensile strength exceeding 1.5 MPa. Any repairs to the substrate must be undertaken in good time prior to the application.



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PRIMING

Prime the substrate is optional. Prime with MasterTop P617 if the substrate is porous, highly absorbent and earth contacting concrete, see separate data sheet, broadcast evenly with oven dried silica sand (size 0.3-0.8mm) while the primer is still wet and allow to fully cure

Concrete substrates must be completely sealed, some substrates may require double priming.

Consult BASF Construction Chemicals for more information on other substrates.

SCRATCH PRIMING

Scratch prime the substrate with MasterTop P617 by adding on dried silica sand in proportion of 1:1 (size 0.1-0.4mm), see separate data sheet, and broadcast evenly with dried silica sand (size 0.3-0.8mm or 0.7-1.2mm) while the scratch primer is still wet and allow to fully cure.

Concrete substrates must be completely sealed, some substrates may require double priming.

Consult BASF Construction Chemicals for more information on other substrates.

TOP COAT

Apply MasterSeal TC373 and allow to cure.

Apply MasterSeal TC681 and allow to cure when UV stable is required.

HANDLING AND TRANSPORT

Usual preventive measures for the handling of chemical products should be observed when using this product, for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed.

Specific safety information referring the handling and transport of this product can be found in the Material Safety Data Sheet. For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

Disposal of product and its container should be carried out according to the local legislation in force. Responsibility for this lies with the final owner of the product.

CONTACT DETAILS

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BASF Construction Chemicals

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SYSTEM BUILD-UP

| | | Consumption |
|---|--|------------------------------|
|  | Optional/ Primer on porous, highly absorbent and earth contacting concrete | |
| | MasterTop P 617 transparent, EP, 2-component, | 0.4-0.5 kg/m ² |
| | Sand broadcast if necessary ^{°°} | 0.8-1.0 kg/m ² |
| | oven dried silica sand, size 0.3-0.8 mm uniformly, not in excess | |
|  | Scratch primer | 0.9-2.0 kg/m ^{2*} |
| | MasterTop P 617 1 : 1 filled with oven dried silica sand, size 0.1-0.4 mm | |
| | Sand broadcast | 1.5-3.0 kg/m ² |
| | oven dried silica sand, size 0.3-0.8 mm or 0.7-1.2 mm | |
|  | Top coat | 0.5-0.9 kg/m ² |
| | MasterSeal TC 373 pigmented, EP, 2-component, glossy finish | |
|  | Optional Top coat^{°°°} | 0.5-0.9 kg/m ² |
| | MasterSeal TC 681 pigmented, polyaspartic, 2-component, fast curing, glossy finish, low solvent content, UV- and weather resistant | |
| | Total thickness of the system | approx. 1.5 -2.5 mm** |

Note: Consumptions are indicative and may be higher, depending on substrate roughness, temperature and porosity, as well as waste produced during application.

* Consumption incl. filler


** The system consumption and system layer thicknesses vary according to country-specific guidelines and standards.

°° Sand broadcasting just necessary if re-coating intervals must be exceeded (e.g. by raining)

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CE-marking (EN 1504-2)

| | |
|---|--|
|  | |
| 1119 | |
| BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg | |
| 08 | |
| 227101 | |
| EN 1504-2:2004 | |
| Surface protection product - coatings EN 1504-2: ZA.1d, ZA.1f and ZA.1g | |
| Linear shrinkage | NPD |
| Compressive strength | NPD |
| Abrasion resistance | ≤ 3000 mg |
| Permeability to CO ₂ | Sd > 50 |
| Permability to water vapour | Class II |
| Capillary absorption and permeability to water | < 0.1 kg/(m ² xh ^{0,5}) |
| Thermal compatibility after freeze-thaw cycling | ≥ 2.0 N/mm ² |
| Resistance to severe chemical attack | Reduction of hardness < 50 % |
| Impact resistance | Class I |
| Adhesion strength by pull-off test | ≥ 2.0 N/mm ² |
| Reaction to fire | B _f -s1 |
| Skid resistance | Class III |

NPD = No performance determined

CE-marking (EN 13813)

| | |
|--|-------------|
|  | |
| BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg | |
| 08 | |
| 227101 | |
| EN 13813: 2002 | |
| Synthetic resin screed for use internally in buildings EN 13813: SR-B1,5-AR1-IR4 | |
| Essential characteristics | Performance |
| Fire behaviour | Efl |
| Release of corrosive substances | SR |
| Water permeability | NPD |
| Wear resistance | < AR 1 |
| Bond strength | > B 1,5 |
| Impact resistance | > IR 4 |
| Impact sound insulation | NPD |
| Sound absorption | NPD |
| Heat insulation | NPD |
| Chemical resistance | NPD |
| Slip/Skid resistance | NPD |
| Emissions behaviour | NPD |

NPD = No performance determined

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Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with BASF and possible resulting damages are in the sole responsibility of the customer.

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