

# MasterSeal Traffic 2255

**Skid resistance and static crack bridging glossy car park deck system for intermediate decks and ramps meets the requirements of EN1504-2 and the German DIN V 18026, class OS 8 and OS 13, class A 1 (-10°C), indoor**

## DESCRIPTION

A 2.5-3mm thick liquid applied, tough but elastic polyurethane watertight car park deck system with static crack bridging property for use in intermediate and basement decks and ramps area to provide a tough scratch resistant floor finish.

The system is based on advanced polymer to hold onto the broadcast aggregate tenaciously providing a hard wearing and skid resistance surface. It consists of an epoxy substrate primer, tough but elastic polyurethane wearing coats and hard wearing epoxy top coat.

## FIELD OF APPLICATION

MasterSeal Traffic 2255 is intended for use on intermediate and basement car park decks and ramps where a static crack bridging and hard wearing system is required.

## FEATURES AND BENEFITS

- EN1504-2 and the German DIN V 18026, class OS 8 and OS13, class A 1 (-10°C) certified
- Attractive appearance
- Low dirt and tyre marks retention
- Excellent wear and slip resistance
- Tough end elastic to withstands loads imposed by traffic
- High vapour permeability that low risk of blistering and monolithically bonded to the substrate
- Impervious and seamless for easy to clean and maintain
- Resistant to fuels, battery acid, de-icing salts, alkaline cleaners
- Solvent free and complies with HK EPD requirement
- Low emission to AgBB
- LEED certification

## SLIP RESISTANCE

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

Slip resistance level, wet	62	DIN EN 13036-4
Slip resistance level, dry	R12 V4	DIN 51130

## COLOURS

A range of colours are available contact your local BASF Construction Chemicals office 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 2255 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 with MasterTop P617 or P604, see separate data sheet, and 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.

## BODY COAT

MasterSeal M276, see separate data sheet, is applied using pinrake and trowel maintaining a wet edge throughout, and broadcast evenly with oven dried silica sand (size 0.3-0.8mm) while the body coat is still wet and allow to fully cure.

## TOP COAT

Apply MasterSeal TC373 and allow to cure.

## 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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## SYSTEM BUILD-UP

		<b>Consumption</b>
	<b>Primer</b>	
	<b>MasterTop P 617 or P 604</b> transparent, EP, 2-component	0.3-0.5 kg/m <sup>2</sup>
	<b>Sand broadcast</b>	
	oven dried silica sand, size 0.3-0.8 mm uniformly applied, not in excess	0.8-1.0 kg/m <sup>2</sup>
	<b>Optional/ Scratch primer up to 1 mm roughness</b>	
	<b>MasterTop P 617 or P 604</b> 1 : 0.5 filled with oven dried silica sand size 0.1-0.3 mm	0.6-1.0 kg/m <sup>2*</sup>
	<b>Sand broadcast</b>	
	oven dried silica sand, size 0.3-0.8 mm	2.0-3.0 kg/m <sup>2</sup>
	<b>Wear coat</b>	
	<b>MasterSeal M 276</b> grey, PU, 2-component	1.2-1.5 kg/m <sup>2</sup>
	<b>Sand broadcast</b>	
	oven dried silica sand, size 0.3-0.8 mm in excess	3.0-5.0 kg/m <sup>2</sup>
	<b>Top coat</b>	
	<b>MasterSeal TC 373</b> pigmented, EP, 2-component, glossy finish	0.5-0.8 kg/m <sup>2</sup>
	<b>Total thickness of system</b>	<b>approx 2.5 - 3.0 mm**</b>

**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.

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## CE-marking (EN 1504-2)

	
1119	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
08	
225501	
EN 1504-2:2004	
Surface protection product - coatings EN 1504-2: ZA.1d, ZA.1e, ZA.1f and ZA.1g	
Abrasion resistance	≤ 3000 mg
Permeability to CO <sub>2</sub>	Sd > 50
Permability to water vapour	Class II
Capillary absorption and permeability to water	< 0.1 kg/(m <sup>2</sup> xh <sup>0,5</sup> )
Thermal compatibility after freeze-thaw cycling	≥ 1.5 N/mm <sup>2</sup>
Resistance to severe chemical attack	Reduction of hardness < 50 %
Crack bridging ability	A 1 (-10° C)
Impact resistance	Class I
Adhesion strength by pull-off test	≥ 1.5 N/mm <sup>2</sup>
Reaction to fire	B <sub>1-s1</sub>
Skid resistance	Class III

NPD = No performance determined

## CE-marking (EN 13813)

	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
08	
225501	
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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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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