

# MasterSeal Traffic 2205

## Exposed, crack bridging, skid resistant, car park deck waterproofing system with spray applied membrane

### DESCRIPTION

MasterSeal Traffic 2205 is a liquid applied, crack bridging car park deck waterproofing system based on advanced polymeric materials. It consists of a substrate primer, a spray applied elastomeric polyurethane/polyurea hybrid waterproofing membrane, a tough hard wearing polyurethane wear coat and choice of top coats.

The seamless coating has an attractive, skid resistant, UV and weather resistant finish which is easy to clean and maintain. It is resistant to fuels, battery acid, de-icing salts and alkaline cleaners.

### FIELD OF APPLICATION

MasterSeal Traffic 2205 is intended for use on exposed decks and ramps where its enhanced crack bridging properties provide complete protection from water, de-icing salts and other potentially damaging contaminants. MasterSeal Traffic 2205 is also used on intermediate decks over offices, sales rooms, store rooms etc.

### FEATURES AND BENEFITS

- Separate waterproofing membrane and wear coats for maximum crack bridging capability
- Easy application to complicated details
- Monolithic – no welds or seams
- Excellent wear resistance
- Skid resistant
- UV and weather resistant
- Resistant to fuels, battery acid, de-icing salts, alkaline cleaners
- Attractive appearance
- Low dirt retention
- Easy to clean and maintain
- BBA Certified

### COLOURS

MasterSeal Traffic 2205 is available in a range of colours. Consult BASF plc, Construction Chemicals for more information.

### CLEANING AND MAINTENANCE

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

Consult BASF plc, 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 2205 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.

#### PRIMING

##### CONCRETE SUBSTRATE

Prime Using MasterTop P617 to completely seal the substrate. Broadcast MasterTop Filler F5 into the still-wet primer to produce a light, even cover, and allow to cure.

##### ASPHALT SUBSTRATE

Prime using MasterTop P660 to completely seal the substrate. Broadcast MasterTop Filler F5 into the still-wet primer to produce a light, even cover, and allow to cure.

#### MEMBRANE

Spray apply using specialist computer controlled spray equipment MasterSeal M800 elastomeric polyurethane waterproofing membrane in one operation including details to form a monolithic coating at the minimum rate of 1.5kg/m<sup>2</sup>.

#### WEAR COAT

Apply MasterSeal M880  
Broadcast to rejection 0.7-1.2mm oven dried quartz into the still wet Wear Coat to produce an even cover and allow to cure.

#### TOP COAT

Apply MasterSeal TC681 and allow to cure.

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## 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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1119 1508	
BASF Construction Chemicals 19 Broad Ground Road Lakeside, Redditch Great Britain B98 8YP	
08	
220501	
EN 1504-2:2004	
Surface protection material - coatings	
Abrasion resistance	≤ 3000 mg
Permeability to CO <sub>2</sub>	Sd > 50
Permeability to water vapour	Class II
Water permeability	< 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	B 4.2 (-20° C)
Impact resistance	Class I
Adhesion strength by pull-off test	≥ 1.5 N/mm <sup>2</sup>
Reaction to fire	C <sub>f</sub> -s1
Skid resistance	Class II

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MasterSeal Traffic 2205 - BASF plc, Construction Chemicals, Version 2

### Health and Safety

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

### Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

### Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

### Spillage

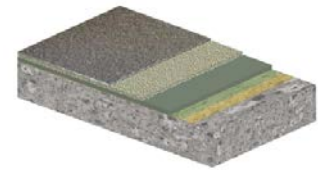
Chemical products can cause damage; clean spillage immediately.

### DISCLAIMER

"BASF plc, Construction Chemicals" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.







Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.

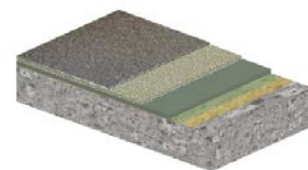


# MasterSeal Traffic 2205

A crack bridging car park deck coating system with separate, spray applied waterproofing layer and wear coat, according to EN 1504-2 und RILI SIB 2001, OS 10

For use on exposed decks where maximum crack bridging and wear resistance are required. Also used on intermediate decks where shops, offices, storerooms etc. lie directly underneath the deck. Dynamical crack bridging, class B 4.2 (-20°C), indoor – outdoor


		<b>Consumption</b>
	<b>Primer</b>	
	<b>MasterTop P 617</b> transparent, EP, 2-component	0.3-0.5 kg/m <sup>2</sup>
	<b>Sand broadcast</b>	0.8-1.0 kg/m <sup>2</sup>
	oven dried silica sand, size 0.3-0.8 mm, uniformly applied, not in excess	
	<b>Optional/ Scratch coat up to 5 mm roughness</b>	0.6-1.0 kg/m <sup>2</sup> * per mm
	<b>MasterTop P 617</b> 1 : 0.5 - 1 : 2 filled with oven dried silica sand size 0.1-0.3 mm	
	<b>Sand broadcast</b>	2.0-3.0 kg/m <sup>2</sup>
	oven dried silica sand, size 0.3-0.8 mm, uniformly applied, not in excess	
	<b>Adhesion promoter</b>	0.05-0.10 kg/m <sup>2</sup>
	<b>MasterSeal P 691</b> 1C-PU primer, contains solvent, moisture curing	
	<b>Waterproofing membrane</b>	1.9-2.4 kg/m <sup>2</sup>
	<b>Master Seal M 800 / M 811</b> grey, 2-component PU or polyurea hybrid, spray applied, fast curing	
	<b>Wear coat**</b>	0.5-0.7 kg/m <sup>2</sup> (up to 1.6 kg/m <sup>2</sup> )
	<b>MasterSeal M 880/ M 881</b> white, PU, 2-component, fast curing	
	<b>Sand broadcast**</b>	1.2-1.8 kg/m <sup>2</sup> (up to 4.5 kg/m <sup>2</sup> )
	oven dried silica sand, size 0.3 – 0.8 mm or 0.7-1.2 mm, in excess	
	<b>Top coat</b>	0.45-0.7 kg/m <sup>2</sup>
	<b>MasterSeal TC 268</b> pigmented, 2 C PU, UV- and weather resistant, high solid, silk glossy finish	
	<b>Top coat (alternative)</b>	0.5-0.8 kg/m <sup>2</sup>
	<b>MasterSeal TC 258</b> pigmented, 1 C PU, UV- and weather resistant, contains solvent, matt finish	



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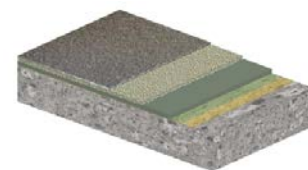
For use on exposed decks where maximum crack bridging and wear resistance are required. Also used on intermediate decks where shops, offices, storerooms etc. lie directly underneath the deck. Dynamical crack bridging, class B 4.2 (-20°C), indoor – outdoor

	<b>Top coat</b> (alternative)	<b>MasterSeal TC 681</b> pigmented, polyaspartic, 2-component, fast curing, glossy finish	0.6-0.9 kg/m <sup>2</sup>
	<b>Total thickness of system</b>	<b>approx. 3.5 - 4.0 mm (up to 5.5 mm<sup>**</sup>)</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)

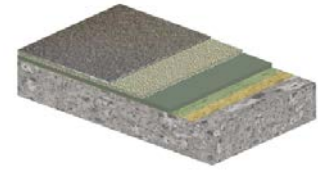
<b>CE</b>	
1119	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
08	
220501	
EN 1504-2:2004	
Surface protection product - coatings EN 1504-2: ZA.1d, ZA.1e, ZA.1f and ZA.1g	
Abrasion resistance	≤ 3000 mg
Permeability to CO <sub>2</sub>	Sd > 50
Permeability to water vapour	Class II
Capillary 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	B 4.2 (-20° C)
Impact resistance	Class I
Adhesion strength by pull-off test	≥ 1.5 N/mm <sup>2</sup>
Reaction to fire	C <sub>fl</sub> -s1
Skid resistance with MasterSeal TC 258	Class III
with MasterSeal TC 681	Class II

NPD = No performance determined

## CE-marking (EN 13813)

<b>CE</b>	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
08	
220501	
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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