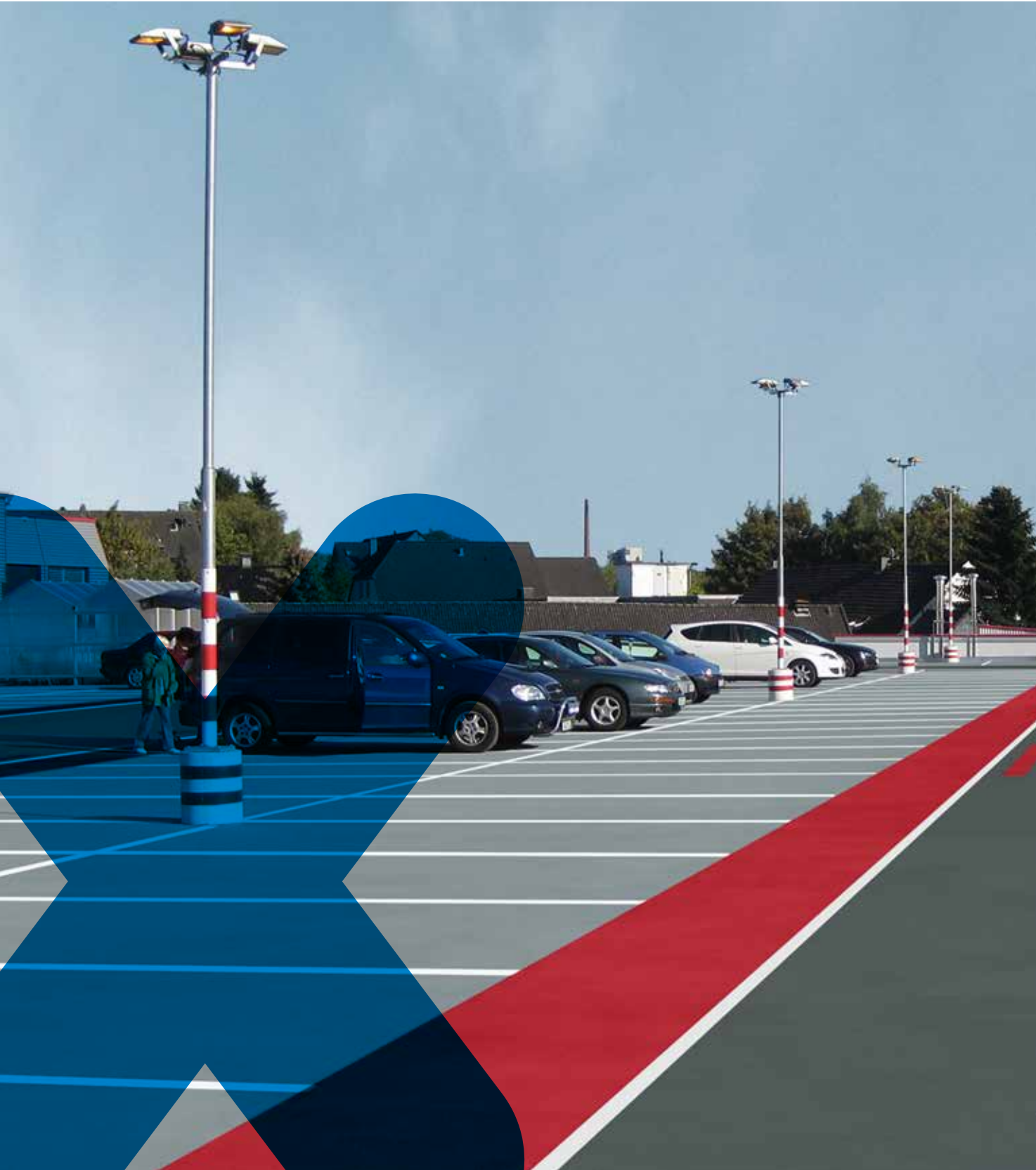


Planning documents
Parking deck marking system

Triflex DMS



Triflex DMS



Applications



Creative solutions for a multi-storey car park

Poor markings and signs create situations that are irritating or even dangerous. Pedestrians and drivers feel insecure. Creating the right atmosphere requires a safe flow of traffic. This can often be achieved by a well planned and easy-to-follow colour design for all parking decks.

Triflex DMS (variation 1) is a road marking system that has proven itself throughout Europe for over 45 years, e.g. for motorways. The wide range of colouring options for the material makes it the ideal complement to Triflex sealing and coating systems in multi-storey car parks.



Advantages at a glance

Information by colour.

The system is available in many bright, UV-resistant colours.

Highly reflective.

Triflex DMS (variation 1) meets the reflection requirements of motorway markings.

Extremely heavy-duty.

Triflex DMS (variation 1) is used for motorway markings throughout Europe. The system is abrasion-resistant and guarantees a very long service life.

Short closure periods.

The system is cold processed. Short reaction times minimise the interruption of normal operation.

Can also be applied in low temperatures.

The marking system can be applied at substrate temperatures down to 0 °C, so that it can be applied in the winter too.

Compatible.

Triflex DMS can be applied to all Triflex parking deck waterproofing and coating systems and asphalt substrates without any further work steps. All three system variations meet the requirements for fire classification B_{fl}-s1 as per DIN EN 13501-1 and thus have the same fire safety classification of all Triflex surface protection systems.

Parking deck marking system

Triflex DMS



And this is how it's done...



All traffic management systems require clearly visible and long-lasting markings in addition to adequate signage. They increase road safety for drivers and pedestrians and improve orientation in multi-storey car parks.

The Triflex markings – which have been tested on motorways – are available in various standard colours. On request, depending on the size of the project, it is possible to obtain samples of individual colours – for example, based on the client's corporate design.



Compatible system components

All the Triflex products mentioned in this system are carefully coordinated on the basis of laboratory testing and years of experience. This standard of quality ensures optimum results during both application and use.

Triflex DMS



System description

Properties

- Good visibility
- High mechanical loads possible (variation 1)
- Cold-applied
- Fast-curing
- Fully bonded
- Chemical-resistant
- Weather-resistant (UV, IR etc.)
- Non-slip
- Highly abrasion-resistant (variation 1)
- Variety of colours available
- Fire classification B_{fl}-s1 in compliance with with DIN EN 13501-1

System variations and system build-up

Triflex DMS, variation 1

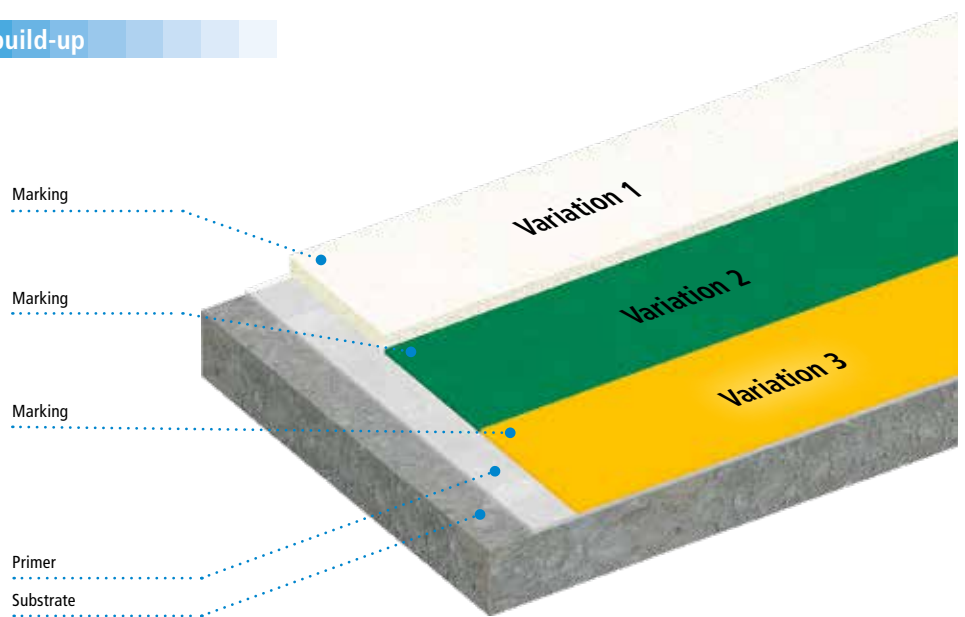
Marking with very high load requirements

Triflex DMS, variation 2

Marking with normal load requirements

Triflex DMS, variation 3

Marking with normal load requirements with air spray method



System components

Primer

Triflex Cryl Primer 287 – for absorbent substrates
Triflex Cryl Primer 222 – for asphalt substrates

Marking, variation 1

Triflex Cryl M 266 as applied, thick-layer cold plastic.

Marking, variation 2

Triflex Cryl Finish 209 as rolled, thin-layer coloured finish.

Marking, variation 3

Preco Line 300 as sprayed, thin-layer high-solid paint.

Substrate

The suitability of the specific substrate should always be tested on a case-by-case basis. The substrate must be clean, dry and free of cement bloom, dust, oil, grease and other adhesion-inhibiting substances.

Moisture: When carrying out application work, the substrate moisture must not exceed 6 % by weight. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath.

Dew point: During application, the surface temperature must be at least 3 °C above the dew point temperature. Below this temperature, a separating film of moisture can form on the surface.

Hardness: Mineral substrates must be permitted to fully harden for at least 28 days.

Adhesion: The following minimum tensile adhesion strengths must be met on pretreated test areas:
Concrete: on average, at least 1.5 N/mm², individual value not less than 1.0 N/mm².



System description

Substrate pre-treatment

Substrate	Pre-treatment	Primer
Asphalt	Grinding, scarifying or dust-free shotblasting	Triflex Cryl Primer 222 ^(A)
Concrete	Grinding, scarifying or dust-free shotblasting	Triflex Cryl Primer 287
EP coating	Roughen surface and test adhesive strength and compatibility	No primer
Paint	Grinding or milling to remove completely	See substrate
PMMA coating	Pretreat with Triflex Cleaner	No primer
PUR coating	Roughen surface and test adhesive strength and compatibility	No primer
Screeds	Grinding, scarifying or dust-free shotblasting	Triflex Cryl Primer 287

^(A) No primer necessary for markings, variation 1 and variation 3.
Information on other substrates is available on request (technik@triflex.de).

Important:

Adhesion must always be tested on the specific substrate!

Priming

Triflex Cryl Primer 222

Apply evenly with a Triflex universal roller.
Consumption: at least 0.40 kg/m².
Can be recoated after approx. 45 mins.

Triflex Cryl Primer 287

Pour on thickly and spread evenly using a Triflex cellular rubber spreader. Then spread crosswise using a Triflex universal roller.
Consumption: at least 0.35 kg/m².
Can be recoated after approx. 45 mins.

Marking, variation 1

Triflex Cryl M 266

Apply tape or templates to surfaces. Apply with a squeegee, screed box or stainless steel trowel and smooth with the trowel.
Consumption: at least 4.00 kg/m².
Ready for pedestrian traffic after approx. 1 hr., ready for vehicle traffic after approx. 3 hrs.

Marking, variation 2

Triflex Cryl Finish 209

Apply tape or templates to surfaces.
Apply evenly with a Triflex universal roller.
Consumption: at least 0.70 kg/m².
Ready for pedestrian traffic after approx. 1 hr., ready for vehicle traffic after approx. 3 hrs.

Marking, variation 3

Preco Line 300

Apply tape or templates to surfaces.
Spray application using the airless or compressed air method. Viscosity can be regulated by adding Triflex Cleaner (addition of max. 2 to 3%).
Consumption: at least 0.44 kg/m².
Ready for pedestrian traffic/vehicle traffic after approx. 45 mins.

Work interruptions

If work is interrupted for more than 12 hrs., or if soiled by rain, the intersection must be activated with Triflex Cleaner.
Airing time: at least 20 mins.

Product information

For information on applications, conditions for use and instructions for mixing, see product information (request if necessary):

Preco Line 300
Triflex Cleaner
Triflex Cryl Finish 209
Triflex Cryl M 266
Triflex Cryl Primer 222
Triflex Cryl Primer 287

Quality standard

All Triflex products are manufactured in accordance with the standards defined in ISO 9001. To ensure quality of workmanship, Triflex products are only installed by fully trained and qualified specialist contractors.

Dimensional tolerances

When carrying out the work, always ensure compliance with the permissible tolerances for building construction (DIN 18202, Table 3, line 4).



Triflex DMS

System description

Safety tips / Accident prevention

Read the safety data sheets before using the products.

Required consumptions / Waiting times

The specified consumptions apply only to smooth, flat substrates with a maximum roughness of $R_t = 0.5$ mm. Special allowance must be made for unevenness, roughness and porosity.

Specified flash times and waiting times apply to a substrate and ambient temperature of $+20$ °C.

Information about tools

The Triflex tools mentioned in the system description are a guideline for correct application of the individual functional layers with the respective volumes of product. The use of Triflex tools is not mandatory as long as correct application of the Triflex products is assured.

General notes

The system descriptions, system drawings and product information sheets form the basis for using Triflex products, and it is essential to follow these when planning and carrying out your building project. Any deviation from the technical information provided by Triflex GmbH & Co. KG that is current at the time the work is carried out may invalidate the warranty. Any project-related deviations require written approval from Triflex.

All the information is based on general regulations, directives and other technical rules. The general regulations applicable in the particular country of use must be respected.

Since the parameters can vary from case to case, the contractor is required to test the suitability, e.g. of the substrate.

Non-Triflex products must not be used in combination with Triflex systems. Triflex reserves the right to make modifications in the interest of technical enhancement or optimisation of Triflex products.

Tender texts

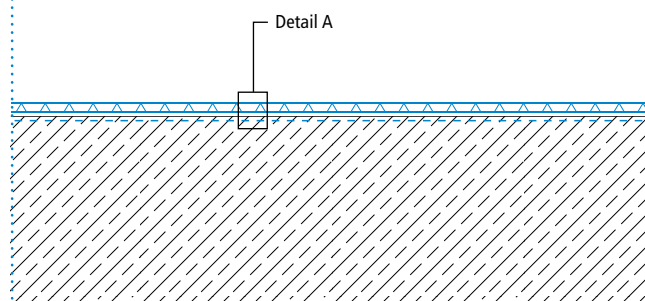
Please visit the download section of the Triflex website at www.triflex.com to obtain the current standard specifications, which are available in a range of different file formats. Alternatively, visit the website www.ausschreiben.de or www.heinze.de.

CAD drawings

All CAD system drawings can be downloaded free of charge from the Download section of the Triflex website www.triflex.com. Contact us at technik@triflex.de to request further true-to-scale CAD drawings.

System drawings

Surface marking, variation 1

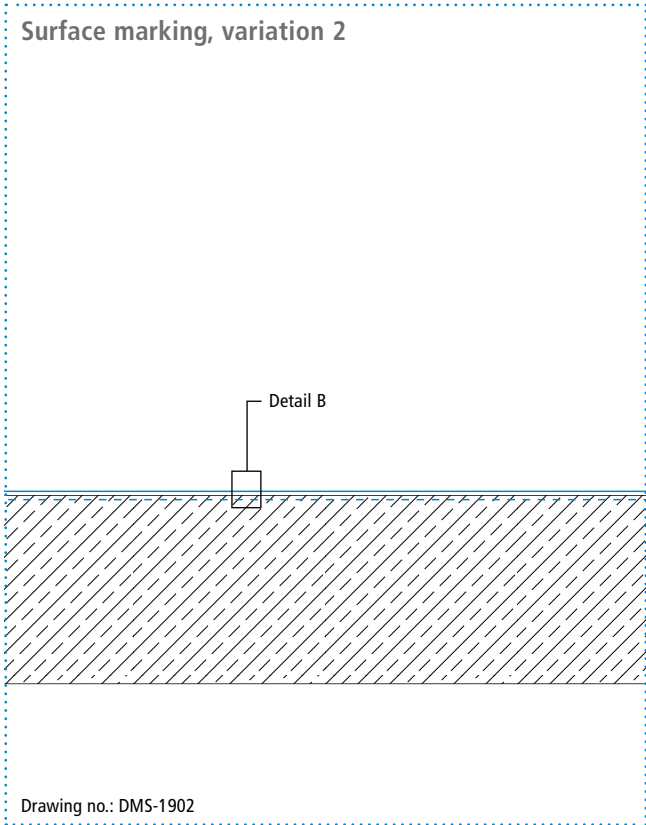


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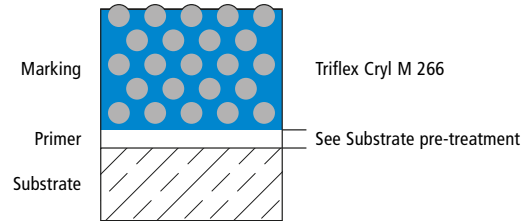


System drawings

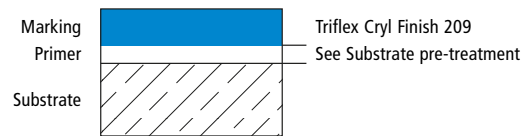
Surface marking, variation 2



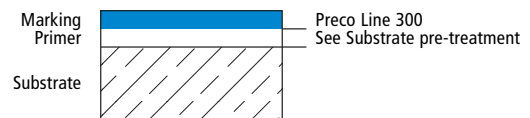
System build-up, variation 1 – Detail A



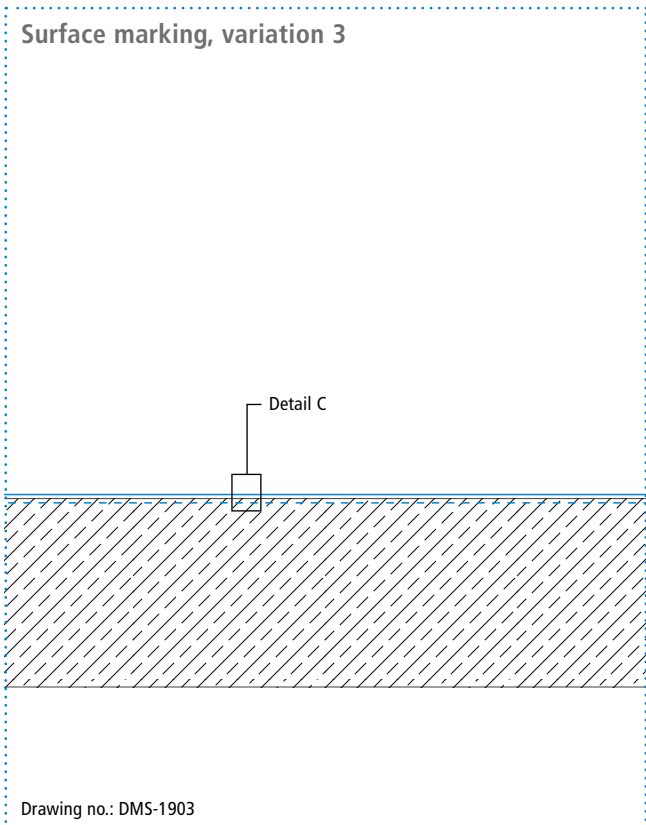
System build-up, variation 2 – Detail B



System build-up, variation 3 – Detail C



Surface marking, variation 3



Triflex DMS colours

Variations 1 and 2 – marking with Triflex Ceryl M 266*, marking with Triflex Ceryl Finish 209



7030 Stone grey



7031 Blue grey



7032 Pebble grey



7035 Light grey



7037 Dusty grey



7038 Agate grey



7040 Window grey



7042 Traffic grey A



7043 Traffic grey B



1023 Traffic yellow*



2009 Traffic orange*



3020 Traffic red*



4006 Traffic purple*



5017 Traffic blue*



6024 Traffic green*



9010 White*

Variation 3 – marking with Preco Line 300



1023 Traffic yellow



3009 Oxide red



3013 Tomato red



3020 Traffic red



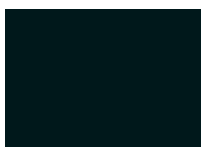
5017 Traffic blue



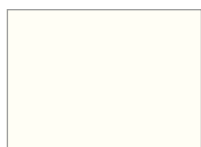
6024 Traffic green



7043 Traffic grey B



9005 Jet black



9010 White

Please note:

Minor variations between the colour shown here and the actual colour are due to printing technology and the materials used.

International

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