



## System overview Marking system

# Triflex Line Cold Plastic

Triflex Line Cold Plastic is a cold liquid applied, exceptionally fast curing, heavy duty marking system with a brighter white and improved retroreflectance. Its predecessor, Triflex Cold Plastics were originally designed for highway use and used extensively on German autobahn, and have also been used for more than 20 years in the UK to add heavy duty white or coloured, thick layer, anti-skid markings to car parks, service yards and other heavily trafficked areas. Utilising the most advanced PMMA resin technology allows this 2 component solution to rapidly cure even at very low temperatures while removing the health and safety risks associated with hot applied thermoplastic solutions. The system far outperforms thermoplastic on concrete and is particularly suitable for HGV service decks and areas trafficked by trucks and fork trucks such as loading areas.

Triflex Line Cold Plastic is simple to apply, extremely hard wearing and fully compatible with a wide range of substrates including direct application to asphalt, making it the ideal rapid solution for car parks, service areas, shopping centres, retail parks, airports, offices, roads, highways and other applications needing a quick turnaround, ultra-durable solution.



### System highlights

#### Maximum colour and design possibilities

Create a design to meet your safety and aesthetic requirements with a wide range of standard colours and options for bespoke colours - refer to Triflex Line Cold Plastic Colour card.

#### Versatility and compatibility

Triflex Line Cold Plastic is fully compatible with a wide range of substrates, and far outperforms thermoplastic solutions on concrete and similar substrates.

#### Totally cold applied

There is no risk from hot works during installation as all Triflex materials are applied in a totally cold liquid form, curing to create a tough, durable solution that lasts.

#### Ultra rapid curing

Exceptionally fast curing, Triflex products enable areas to remain open during installation, limiting access restrictions and unnecessary disruption. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C.

#### Extremely tough and durable

Triflex Line Cold Plastic is resistant to ponding water, road salts, petrol, diesel, brake fluid, engine oil, battery acid, de-icing and approved cleaning products. The system is able to withstand high mechanical loads including HGV traffic on service yards. Its predecessor Triflex Cold Plastic has been used on German Autobahn for more than 25 years, and has demonstrated an effective service life of more than 20 years in high space change retail car park environments in the UK without replacement.

#### Weather resistant

Triflex Line Cold Plastic is weather and UV resistant and will not break down when exposed for the long term to direct sunlight.

#### Safety

Triflex Line Cold Plastic does not contain solvents or isocyanates and poses no fire risk during installation.

### Application areas

- Car park lines and arrows
- HGV service deck and yard markings
- Pedestrian crossings
- Give way signs
- Lettering / symbols
- Car park blacking out (covering existing markings)
- Rail platform markings
- Road and highway markings

### Compatible substrates

- Asphalt including Hot Rolled Asphalt (HRA) and Stone Mastic Asphalt (SMA)
- Tarmac / Tarmacadam / Macadam
- Fresh asphalt including HRA and SRA
- Fresh Tarmac / Tarmacadam / Macadam
- Concrete
- Existing markings
- Pavers / brick pavements
- Granite
- Coatings (e.g. polyurethane, polyurea, polymethyl methacrylate, epoxy)
- Metals



PTV Values	
PTV (no drop on / wet) TRRL	Approx. 67 <sup>(3)</sup>
PTV (no drop on / wet) 4S	Approx. 63 <sup>(3)</sup>

<sup>(3)</sup>PTV of 36+ is a low risk according to HSE guidelines

BASt Certification <sup>(4)</sup> - German Federal Highway Research Institute
2020 ICK 09.03 (Line marking / Type II)
2020 1DK 09.04 (Line marking / Type II)
2020 1DK 10.03 (Irregular agglomerates / Type II)
2021 1DK 07.16 (Regular agglomerates / Type II)
2021 1DK 09.01 (White undercoat agglomerates / Type II)
2021 1DK 10.04 (Refreshing irregular agglomerates / Type II)

<sup>(4)</sup>BASt Certification is based on various build-ups and configurations including agglomerates and drop on materials

System build-up and consumptions



Layer	Product	Consumption <sup>(1)</sup>	Overcoat / traffic <sup>(2)</sup>
Primers (if required)	Triflex Cryl Primer 222 / 287	0.50Kg/m <sup>2</sup> min.	45 minutes
	Triflex Than Primer L 1K (Triflex Grund L 1K)	0.20L min.	20 - 30 minutes
	Triflex Metal Primer	0.08 to 0.10L/m.	Approx. 30 minutes using spray can Approx. 60 minutes using roller or brush
Marking	Triflex Line Cold Plastic (Triflex Line Kaltplastik)	4.50Kg/m <sup>2</sup> min.	15 - 20 minutes

<sup>(1)</sup> Minimum consumption assuming a smooth, even, non-absorbent substrate.

<sup>(2)</sup> The times stated are based on +20°C – the times will not be significantly extended at low temperatures.



## Colour Card

# Triflex Line Cold Plastic

**Notes:** There may be slight variations in shade between actual colours and those shown below.

RAL colours are approximate.

Special colours can be produced to order.

### Colours



1023 Traffic yellow



3020 Traffic red



3013 Tomato red



5017 Traffic blue



6024 Traffic green



7043 Traffic grey



9005 Jet black



9010 Pure white

Find out more at [triflex.co.uk](https://triflex.co.uk)