



Product overview

Coating / marking system

Triflex Friction Plastic

Triflex Preco Cryl Reibplastik

Triflex Friction Plastic is a cold liquid applied, exceptionally fast curing, anti-skid coating and marking system used primarily to add a heavy duty, coloured, surfacing finish. Originally designed for highway use and used extensively on the German autobahn, the system can be applied to external car parking areas, walkways and cycle lanes. The 2 component system is easy to apply and contains no solvents or isocyanates, being totally cold applied no hot works are required throughout the installation, removing health and safety risks usually associated with hot applied thermoplastic and other solutions.

Triflex Friction Plastic is based on the most advanced PMMA resin technology and is compatible with a wide range of substrates. It also rapidly cures even at very low temperatures making it the ideal solution all year round for shopping centres, retail parks, airports, offices and cycle lanes which require a solution that can be installed quickly with minimal disruption.



System highlights

Maximum design possibilities

Create a design to meet your safety and aesthetic requirements with a wide range of standard colours - refer to Triflex Friction Plastic Colour card.

Tough and durable

Triflex Friction Plastic is highly resistant to long term traffic loads, is unaffected by ponding water and is resistant to road salts, petrol, diesel, brake fluid, engine oil, battery acid, de-icing and approved cleaning products.

Highest levels of anti-skid

The inherent high level of skid resistance makes this product the ideal solution for areas prone to slips and requiring maximum levels of anti-skid including pedestrian walkways, footpaths and cycle lanes.

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, extremely durable solution that lasts.

Single process application

Installation time and costs are significantly reduced when compared to multi-coat and broadcast systems.

Ultra rapid curing

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

Weather resistant

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

Solvent and isocyanate free

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

Application areas

- Driving lane coating
- Walkways
- Parking bay coating
- Pedestrian crossings
- Blacking out (covering existing coatings)
- Cycle lanes / ways / routes
- 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 paviours
- Granite
- Coatings (e.g. polyurethane, polyurea, polymethyl methacrylate, epoxy)
- Metals

Approvals and test data

BAST Certification⁽¹⁾ - German Federal Highway Research Institute

2001 1DK 03.06
2003 1DK 07.08
2006 1DK 07.09



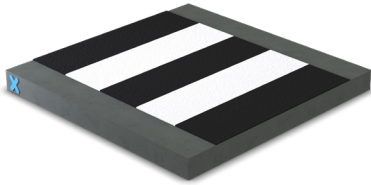
⁽¹⁾ BAST Certification is based on various build-ups and configurations including agglomerates and drop on material

PTV Values

PTV (no drop on / wet) TRRL	Approx. 79*
PTV (no drop on / wet) 4S	Approx. 66*

*PTV of 36+ is a low risk according to HSE guidelines

System build-up and consumptions



Layer	Product	Consumption ⁽¹⁾	Overcoat / traffic ⁽²⁾
Primers (if required)	Triflex Cryl Primer 222 / 287	0.40Kg/m ² 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 / coating	Triflex Friction Plastic (Triflex Preco Cryl Reibplastik)	4.00Kg/m ² min.	15 - 20 minutes

⁽¹⁾ Minimum consumption assuming a smooth, even, non-absorbent substrate.

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



Colour Card

Triflex Friction 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



1002 Sand yellow



1023 Traffic yellow



2009 Traffic orange



3020 Traffic red



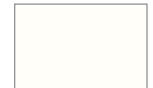
3013 Tomato red



3009 Oxide red



4006 Traffic purple



9010 Pure white



7035 Light grey



7044 Silk grey



7030 Stone grey



7037 Dusty grey



7043 Traffic grey



9005 Jet black



6002 Leaf green



6024 Traffic green



6018 Yellow green



5017 Traffic blue



5012 Light blue



5015 Sky blue

Find out more at triflex.co.uk



Product data sheet

Triflex Friction Plastic (Reibeplastik)

Use

Heavy duty, thick layer, textured marking and coating system.

Properties

- Tough and durable
- Highly tested and proven in use
- Withstands high mechanical loads
- Suitable for car and HGV traffic
- Very high levels of anti-skid
- Available in a wide range of colours
- Compatible with a wide range of substrates
- Totally cold liquid applied - no hot works
- Excellent adhesion to substrate
- Rapid single process application
- Exceptionally fast curing even at low temperatures
- Resistant to de-icing salts, petrol, engine oil, battery acid and brake fluid
- Weather resistant (UV, IR etc.)
- Solvent and isocyanate free
- BAST approved

Components

Component	Product
Resin	Triflex Friction Plastic (Triflex Preco Cryl Reibeplastik)
Catalyst	Triflex Catalyst

Packaging

Component	Pack size
Resin	Drum: 18.00Kg
	Bag: 0.10Kg
Catalyst	Bag: 10.00Kg
	Bag: 25.00Kg

Colour(s)

Refer to the Triflex Friction Plastic Colour card - other colours available.

Application conditions

Condition	Value
Ambient and substrate temperature	+0°C to +35°C
Relative atmospheric humidity	Up to 95%
Dew point	3°C above dew point

Substrate assessment / pretreatment / preparation

Remove existing markings, paint, finishes etc. incompatible with overlay by grinding or blasting, and abrade metals to create a key.

Ensure that the substrate is clean, dry and free from dust, laitance, grease, oil and any other contaminants and assess / pre-treat / prepare substrate in accordance with Triflex Specification.



Compatible substrates / priming

Substrates	Primer required
Asphalt including HRA and SRA	No primer required
Tarmac / Tarmacadam / Macadam	No primer required
Fresh asphalt including HRA and SRA	Triflex Cryl Primer 222
Fresh Tarmac / Tarmacadam / Macadam	Triflex Cryl Primer 222
Concrete / pavers / brick pavements	Triflex Cryl Primer 287 / Triflex Than Primer L 1K
Existing markings	No primer required (subject to testing)
Granite	Triflex Cryl Primer 287 / Triflex Than Primer L 1K
Coatings (e.g. polyurethane, polyurea, polymethyl methacrylate, epoxy)	Subject to testing
Metals	Triflex Metal Primer

Initial resin mixing / decanting

1. Thoroughly mix the resin in the drum with a slow speed mixer until the resin achieves a uniform consistency;
2. If required, decant a measured weight of resin into a suitable container.

Mixing

Temperature	0°C to +15°C	+15°C to +35°C
Catalyst to resin %	2%	1%
Catalyst per 18.00Kg drum of resin	0.40Kg	0.20Kg

1. Measure the appropriate weight of catalyst for the weight of resin and the temperature;
2. Add the catalyst to the pre-mixed / decanted resin;
3. Thoroughly mix the resin and catalyst using a slow speed mixer for a minimum 2 minutes until the catalyst has been evenly distributed and leave for a minimum of 1 minute to allow the catalyst to fully dissolve;
4. Re-mix and use the mixed material within the pot life.

Application method

Shoe / draw box / mould / hand guided machine / automated 2K extruder / trowel with masking.

Consumption / density

Consumption: 4.00 Kg/m² min.
Density: approx. 1.90 g/m³.

Note: Consumption based on smooth, even, non-absorbent substrate.

Pot life at 20°C

Approximately 5 - 10 minutes.

Note: Times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

Curing time at 20°C

Approximately 15 - 20 minutes.

Note: Times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

Interruptions during works

Triflex Cleaner to clean and reactivate the transition area. Overlay after Triflex Cleaner has evaporated and a minimum 20 minutes / maximum 60 minutes after application.

Tool cleaning

Clean tools with Triflex Cleaner.

Storage / shelf life

Store unopened in a cool, dry, well ventilated place above freezing, out of direct sunlight and in the original container.

Shelf life if stored correctly: minimum 12 months.

Health and safety

Refer to Safety Data Sheets.

Disposal information

Refer to Safety Data Sheets for recommended EWC waste codes.

Notes

The advice we provide on the application of our products is based on extensive development work and many years of experience, and is given to the best of our knowledge. The wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the contractor to test the product for suitability in each case. Triflex reserve the right to make alterations in keeping with technical developments or improvements.

Non-Triflex products must not be used with Triflex systems.

Only the most recent version of this data sheet is valid.