

Cold spray plastic

Triflex Line Cold Spray Plastic



Product information

Product description

Triflex Line Cold Spray Plastic is used for closed line markings of type I and II. The cold spray plastic is ideal for marking roads with low traffic volumes, such as rural roads and roads in traffic-calmed residential areas. Due to the very fast drying time, the product is also suitable for underline marking of highly frequented roads or for refreshing agglomerates. Less than 10 minutes after application, the road can be reopened to traffic. In individual cases, disruption to ongoing road traffic can be completely avoided. Triflex Line Cold Spray Plastic can be applied using all standard application methods with airless and atomizer technology.

Applications

Triflex Line Cold Spray Plastic is used for thin-layer type I and type II markings as a closed-finish line.

Properties

Triflex Line Cold Spray Plastic, which has a polymethyl methacrylate (PMMA) resin base, offers the following features:

- Withstands mechanical loads
- Fully bonded adhesion
- Weather-resistant (UV, IR, etc.)
- Alkali-resistant
- Fast-curing
- Elastic
- Cold-applied
- High yield thanks to low density
- BAST-tested (German Federal Highway Research Institute)

System build-up

Triflex Than Primer L 1K – for sealing the concrete substrate and ensuring substrate adhesion.
Triflex Line Cold Spray Plastic – for closed-finish markings.
Drop-on materials mix – according to the relevant BAST test certificate.

Certifications and test data

White:
BAST test certificate no. 2023 1DY 06.07 (Line marking / Type II)
BAST test certificate no. 2023 1DY 06.11 (Line marking / Type II)

Triflex Line Cold Spray Plastic meets the requirements of the ZTV M13 (Additional Technical Specifications in Construction Contracts). Our current test certificates can be found at www.triflex.com/de/bast-pruefzeugnisse.



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Preparation of the substrate

The substrate must be sound, dry and free of ice, loose particles, grease and oil.

Mixing instructions

Stir the resin component thoroughly, then add the required quantity of catalyst and mix with a slow-running stirrer/mixer until completely free of lumps, and apply immediately. The user can freely select the manufacturer and the type of catalyst (liquid or powder catalyst). Depending on the ambient temperature, add 1% to 2% of catalyst.

Methods of application

98:2 method:

With this method, Triflex Line Cold Spray Plastic is applied by means of a 2-component marking machine using an airless or airspray technique in a mixing ratio of 98:2. Triflex Liquid Catalyst acts as the peroxide activator here. A static mixer, for example, can be used to mix both substances.

Open system:

With this method, Triflex Line Cold Spray Plastic is applied by means of a 1-component marking machine using an airless or airspray technique. The reactive beads Echostar 5 BCP TECNO SRT or Echostar 30 BCP TECNO SRT, which are injected into the spray jet via bead pistols and subsequently dropped on, act as the peroxide activator. The ratio of Triflex Line Cold Spray Plastic to Technobeads is 1:1 or 1:1,2 for layer thicknesses >400 µm. The Technobeads must form an even covering over the wet line film. This is achieved when there are no more shiny areas visible.

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Material consumption

Triflex Line Cold Spray Plastic, density approx. 1.55 g/cm³

Closed-finish line marking:

Required volume approx. 0.93 kg/m² with a layer thickness of 0.60 mm

Undercoat/refreshing:

Required volume approx. 0.62 kg/m² with a layer thickness of 0.40 mm

Calculation formula:

Line width (m) x line length (m) x volume (kg/m²) = volume required for area (kg)

Drying time

Approx. 4 to 10 mins. at +20 °C

Product overview

Article no.	Article	Packaging	Colour	Storage
22738-910-187	Triflex Line Cold Spray Plastic base resin	38.00 kg metal bucket	9010 Pure white	■
26085-007	Triflex Liquid Catalyst C (included with supply) Delivery quantity: 1.5 % per kg base resin	20.00 kg plastic canister	–	■

Article no.	Article	Packaging	Colour	Storage
22738-910-015-1	Triflex Line Cold Spray Plastic base resin	1,200.00 kg disposable IBC	9010 Pure white	□
26085-007	Triflex Liquid Catalyst C (included with supply) Delivery quantity: 1.5 % per kg base resin	20.00 kg plastic canister	–	■

Article no.	Article	Packaging	Colour	Storage
22738-123-187	Triflex Line Cold Spray Plastic base resin	38.00 kg metal bucket	1023 Traffic yellow	□
26085-007	Triflex Liquid Catalyst C (included with supply) Delivery quantity: 1.5 % per kg base resin	20.00 kg plastic canister	–	■

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22738-123-015-1	Triflex Line Cold Spray Plastic base resin	1,200.00 kg disposable IBC	1023 Traffic yellow	□
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