

Cold plastic

Preco Cryl Cold Plastic 2K NightLine



Product information

Applications

Preco Cryl Cold Plastic 2K NightLine is a thick-layer marking that is used in addition to existing emergency lighting systems for marking escape and rescue routes which are subject to high mechanical loads.

Properties

The 2-component Preco Cryl Cold Plastic 2K NightLine has a polymethyl methacrylate (PMMA) resin base and offers the following features:

- Withstands mechanical loads
- Fully bonded adhesion
- Alkali-resistant
- Fast-curing
- Elastic
- Cold-applied
- Long-lasting luminescent effect
- Tested acc. to DIN 67510 Part 1

System build-up

Triflex Than Primer 1K – for sealing the concrete substrate and ensuring substrate adhesion.

Preco Cryl Cold Plastic 2K NightLine – for closed-finish or profiled markings.

Pack size

Drum
18.00 kg Preco Cryl Cold Plastic 2K NightLine Base Resin

Catalyst
0.20 kg Preco Cryl Powder Catalyst

The luminescent pigments are contained in the material.

Colours

Yellowish white

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.



Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stir for 2 mins. Process immediately afterwards.

Depending on the ambient temperature, 1 to 2 % of catalyst is added. Also see the label.

Methods of application

Depending on the substrate, Preco Cryl Cold Plastic 2K NightLine can be applied in one working step using a smoothing trowel or a hand-held marking machine.

Material consumption

Preco Cryl Cold Plastic 2K NightLine, density approx. 1.9 g/cm³

Closed-finish line marking:
Required volume approx. 4.75 kg/m² with a layer thickness of 2.5 mm.

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

Pot life

Approx. 5 to 10 mins. at +20 °C

Drying time

Approx. 15 to 20 mins. at +20 °C

Cold plastic

Preco Cryl Cold Plastic 2K NightLine



Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

Product description



Preco Cryl Cold Plastic 2K NightLine is a 2-component, thick-layer marking with luminescent properties and is used on asphalt and concrete surfaces. The marking was tested according to DIN 67510 Part 1, Class A (see BAM [German Federal Institute for Materials Research and Testing] report: VIII.1E2046, sample panel no. 4).

With a 2.0 mm coating, the following decay time was measured by BAM:

Until a light density of 0.3 mcd/m^2 was reached = 540 minutes

At this rate, the marking is visible to the human eye for at least one hour.

Preco Cryl Cold Plastic 2K NightLine is used as additional safety to supplement existing emergency light systems to indicate escape and rescue routes which are subject to high mechanical loads in staircases, underground car parks, factories, shopping centres, tunnels and so on.

The superior quality pigments which are contained in Preco Cryl Cold Plastic 2K NightLine absorb daylight or artificial light and gradually release it in darkness. Amongst other factors, the efficacy of the luminescent marking is dependent on the quantity of impinging light. As a rule, the light intensity of the general lighting is sufficient. However, care must be taken to ensure that the light sources are installed as near as possible to the safety marking.