Marking paint

Preco Line 300 NightLine

Product information

Applications

Preco Line 300 NightLine is used as a thin-layer, luminescent safety marking for indoor escape and rescue routes.

Properties

The 1-component, physically drying high-solid paint Preco Line 300 NightLine with an acrylate resin base offers the following features:

- Visible for at least one hour in darkness
- Increased safety for building users
- Yellowish white
- Can be applied using the airless spray method
- Withstands mechanical loads
- Fast-drying
- Tested acc. to DIN 67510 Part 1

System build-up

Triflex Than Primer L 1K – for sealing the concrete substrate and ensuring substrate adhesion.
Preco Line 300 NightLine – marking in layer thicknesses of approx. 0.6 mm (wet film).

Pack size

Drum
5.00 kg Triflex Preco Line 300 NightLine

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.

Conditions for use

Ambient temperature: +5 °C to +35 °C.
Substrate temperature: +5 °C to +45 °C.
Rel. humidity: max. 75 %.

Methods of application

Depending on the substrate, Preco Line 300 NightLine can be applied in just one working step using the airless or compressed air spray method.

It can also be applied with a roller. However, particular care must be taken in this case to maintain the correct layer thickness. Where necessary, several coats of the material must be applied. The texture of the roller may cause an uneven distribution of the luminescent effect.

Material consumption

Preco Line 300 NightLine, density approx. 1.55 g/cm³

Required volume approx. 0.93 kg/m² with a layer thickness of 0.6 mm (wet film).

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

Drying time

Approx. 20 to 30 mins. at +20 °C

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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 Line 300 NightLine is a 1-component, thin-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. 1). With a 0.6 mm coating, the following decay time was measured by BAM:

Until a light density of 0.3 mcd/m² was reached = 600 minutes

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

Preco Line 300 NightLine is used indoors as an additional safety supplement to existing emergency light systems to indicate escape and rescue routes which are subject to low mechanical loads in staircases, underground car parks, factories, shopping centres, tunnels and so on.

The superior quality pigments which are contained in Preco Line 300 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.