TECHNICAL DATA SHEET

NILA®-Plast PRO 125/II RMD

Layable, structured hot plastic compound for type II markings, traffic class P7

Uses

We designed NILA®- Plast PRO 125 / II RMD specially for the creation of base line markings with regular agglomerates. This reflective marking material is suitable for creating markings on all types of asphalt road surfaces, such as roads, motorways and airports. Its composition guarantees improved night visibility. NILA®- Plast PRO 125 / II RMD is applied to surfaces at temperatures of between 190 and 220 degrees Celsius in a thickness of 1.9 mm and to regular agglomerates applied on top using a self-propelled laying machine with special markers. To produce the type II marking, the required structure is created using a special marker in a single work step.

Standards: DIN EN 1436, EN 13197

Properties

- layable hot plastic compound for type II markings
- base line with regular agglomerates
- improved night visibility in wet weather conditions
- premium marking material with stone dust, sand and glass beads
- high softening point and resistance to deformation, low abrasion
- good grip with excellent adhesion and easy to use

Application instructions

Application

NILA®-Plast PRO 125/II RMD is applicable at temperatures from 190 to 220 °C as basic-line in a layer thickness of 1.9 mm extruded and in the same application with the regular agglomerate onlaid. During application 450 g/m² drop-on material SOVITEC Echostar® 10 TRM must be dropped on to the thermoplastic immediately to reach the required night-time visibility. A special application unit in one step forms the type II-marking basic-line and regular agglomerate. The thickness of the basic-line is 1.9 mm whereas the agglomerates are 3 to 4 mm. The diameter of the agglomerates is approx. 20 to 25 mm; the amount is approx. 750 to 800 per m². By application of structured, regular dots with and without basic-line the material temperature in the machine heater must be 210 to 230 °C to be sure for an application temperature of 190 to 220 °C. The road surface must be dry, clean, and free of dust

and oil. In spring and autumn the relative humidity of the air (dew point) must be considered. If the minimum layer temperature is below +5 °C, the road surface must be warmed before application.

Material consumption

Dots without basic-line: 3.5 kg/m² (10 cm: 350 kg/1,000 m; 12 cm: 420 kg/1,000 m; 15 cm: 530 kg/1,000 m). Dots with 1.9 mm basic-line: 5.5 kg/m² (10 cm: 550 kg/1,000 m; 12 cm: 660 kg/1,000 m; 15 cm: 830 kg/1,000 m).

Storage

Shelf life of block material is unlimited. Shelf life of powder material is one year.

Form of supply

Flat carton (block goods): 25 kg (40 per pallet). Polyethylene bag (powder goods): 20 kg (42 per pallet). Big bag (powder goods): 250 kg (4 per pallet).

Technical data

Base	Hydrocarbon resin, quartz sand, extender
Solvent	Solvent-free
Colour	White
Necessary working operations	basic-line in one application with regular agglomerate onlaid and drop-on
Specific gravity	approx. 2.03 g/cm³
Softening point Wilhelmi	approx. 104 °C
Nüssel deformation	approx. 1.0
Skid resistance	≥ 45 SRT-units
Wear resistance (BASt, 4M roll-overs)	≥ 90% (class P7, EN 13197)

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