

SILIKAL® RM Line 200 is a solvent free, fast curing 2-component cold plastic compound based on a flexible methacrylic resin for layer thicknesses of 1,5 – 3 mm, preferable 2 mm. The quick curing time of 20 – 40 minutes and the excellent water, salt, fat and oil resistance enable a fast overdrive. Application takes place between +5°C to +40°C (temperature of substrate).

Application

The application is being recommended directly onto the asphalt surface without primer. Areas are any kind of roads, parking lots or factories. Surface must be dry, dust and oil free. Since the application is very simple, ordinary smoothening trowels or draw boxes can be used. Furthermore hand pushed appliances with or without engines are available on the market from machine manufacturer.

The packing size is a pail of 3 kg content with the liquid resin and a paper bag with 11.7 kg powder filler which must be stirred in this full ratio. Both components must be stirred lump-free during a minute and should be applied within the pot life onto the surface.

Traffic signs, letters and numbers, arrows or other irregular pattern can be premarked around a stencil, followed by masking tape surroundings. The premixed road marking compound is being poured onto the limited area and smoothened trowel mark-free manually. Do not use solvents for dilution as it may not cure correctly. In order to improve the night visibility and skid resistance during the early stage additional glass beads and white aggregate as a mixture (Potters 3DAC05/M72) at 400 g/m² must be scattered equally over the fresh marking. Such an additional scattering is not necessary in parking lots or factory buildings if not otherwise requested.

In case of concrete surface make sure that there is no fine cement layer on the surface. In general Blastrac blasting, grinding, sanding or high water pressure treatment is being suggested. Use a suitable concrete primer like SILIKAL® R 51 or R 52 resin. Other surfaces like painted areas, Epoxy coatings, emulsion modified screeds or additive modified concrete may lead to curing or adhesion problems. Check the suitability before applying SILIKAL® RM Line 200 markings.

Characteristics of the cold plastic compound

Property	Measuring Method	approx. Value
Viscosity	Visual	Pasty, thixotropic
Specific Gravity	EN ISO 2811-2	1.86 g/cm ³
Flash point	DIN 51 755	+10 °C
Packing Unit	Liquid: 3 kg Powder: 11.7 kg	
Pot Life at +20 °C	12 – 15 minutes	
Application Temperature	+5 °C to +40 °C	
Hardening Time +20 °C	20 – 40 minutes	
Colour*	White	
Scattering Aggregate (Option)	Potters 3DAC05 3:1; 400 g/m ²	
Storage	min. 6 months in original packaging, below +30 °C	
Layer Thickness	Wet film comb 2 mm (1,5 – 3 mm)	

*Other colours on request

Consumption

Consumption for 1.5 mm of cold plastic:	2.9 kg/m ²
Consumption for 3.0 mm of cold plastic:	5.7 kg/m ²

SILIKAL® RM Line 200

**2-Component Cold Plastic Compound (Powder/Liquid)
for 1.5 – 3 mm long life Road Markings**



Scattering compound

It is very important that the scattering aggregate must be scattered immediately onto the fresh road marking before it starts to cure. You can do it by hand or also commercial glass bead dispensers are available on the market.

Areas of application

All kind of roads, parking lots, industrial buildings where no government approved road markings are required.

Cleaning

The working tools can be cleaned using Ethylacetate, Acetone or MEK.

Higher storage capacity

Cold plastic compounds are usually flammable goods which require a permission of authorities to obtain a certain storage permission. Unlike other commercial cold plastic products from other manufacturers SILIKAL® RM Line 200 can be stored in a 4-times higher quantity for the same permitted quantity in your ware house. The permit applies only to the amount of liquid, not to the powder mix. Contact your safety or environment authority to check your allowed storage quantity.



Other applicable documents

Safety data sheet (MSDS)

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Silikal product information

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