

Flächenmarkierung MB

Surface Marking MB

1. PLACE	☐ Indoors	☒ Outdoors
2. TYPE	☐ Line	☒ Surface ☐ Symbol TS
3. STRESS	☐ Low	☒ Medium ☐ High

General description

Material type:	Low-solvent 1K high-solid marking paint
Area of use:	Surface Marking MB is ideal for large-area markings, e.g. for electric vehicle parking spaces* in outdoor areas. Degree of stress: Up to medium stress. Suitable substrates: Bituminous floors (melted asphalt, asphalt concrete), concrete and cement floors. *For application to electric cars, use an existing template or one of ours (electric car item no. 40-6-7).
Product features:	» Quick-drying » High coverage » Elastic » Clearly visible » Long range » Suitable for forklift traffic » Slip resistance class R11 (Construction see Slip resistance/Wet area page 6)
Colours:	Traffic blue RAL 5017 Yellow-green RAL 6018 Standard RAL colours on request
Package sizes:	15 kg Larger containers available on request

Technical data

Density:	Approx. 1.55 kg/l +/- 0.04 depending on colour shade
Viscosity:	According to DIN 53211: 20 -30 sec

Solid state: 75%

Thinning agent: Attention! When applying with a roller, take into account the rapid skin formation of the paint. A delay in skin formation can be achieved by adding 2% Jansen Special Thinner for 1K solvent-based markings (Art. no. 37-51).

If necessary, 2% Jansen special thinner for 1K solvent-based marking paints can be used to optimise the spray pattern.

Working temperature: For the object and ambient air, preferably between +10°C and +25°C

Drying: (23°C, 60% relative humidity)
Can be painted over after approx. 1 hour
Fully loadable after drying: after 24 hours

The drying time depends on the wet film thickness, temperature, humidity and the material and ceiling temperature. Only open the roadways to traffic after the contractor has checked that they are completely dry.

Consumption: Approx. 0.6 kg/m² for average consumption

Actual consumption depends on the applied layer thickness, the application method and the nature of the substrate.

Consumption	
Rolling process	
1. Coat + 2. Coat	
Theoretical consumption*:	0.460 kg/m ²
1. Variant: 5.00 m x 2.50 m x 2 = 25 m ²	11.5 kg/area
2. Variant: 5.00 m x 1.20 m x 2 = 12 m ²	5.5 kg/area

Consumption	
Spraying process	
1 x spray pass / 1 x cross pass	
Theoretical consumption*:	1.2kg/m ²
1.Variant: 5.00 m x 2.5 m = 12.5 m ²	15 kg/area
2. Variant: 5.00 m x 1.20 m. = 6 m ²	7.2 kg/area

GISCODE:

Description of use**Substrate preparation:**

The area to be marked must be completely dry, free of dust and separating substances (oil, grease, wax) as well as algae and moss. Remove brown discolouration caused by foliage using high-pressure cleaning. Humic acid contained in foliage has a negative effect on shelf life and adhesion.

Chewing gum residue and other bonding difficulties must be removed mechanically.

Old markings: Check for adhesive strength and compatibility. Test coat required.
If necessary, old markings must be removed using suitable mechanical methods.

Concrete or cement-bound substrates:

Surface components that interfere with adhesion, such as fine mortar layers, concrete slurry or retarders applied to new concrete surfaces, must be completely removed prior to application using suitable methods (e.g. high-pressure water cleaning, fine milling, etc.). The moisture content of the ground must not exceed 4% during marking.

Bituminous surfaces:

Chemical additives such as flux oils or oil-based release agents (e.g. for rollers) may be present on the surface of freshly laid bituminous surface courses. These substances interfere with adhesion and can lead to undesirable discolouration of the marking. As it is usually not possible to remove these residues mechanically, it is recommended that the surface layer be closed to traffic for a period of at least 4 to 6 weeks before applying markings. This ensures sufficient weathering and reduction of substances that interfere with adhesion. An adhesion test is required prior to application.

Paving substrates:

Natural stone, artificial stone and composite stone paving are considered to be flexible substrates. Relative movements within the pavement structure and the ingress of moisture can lead to cracking, spalling and increased wear of the markings. No liability is accepted for any resulting damage. The visibility of the pavement joint structure in the marking does not constitute a defect in terms of liability for defects and is technically unavoidable due to the material and substrate. It is assumed that artificial and composite paving stones have sufficient load-bearing capacity for the intended marking. If in doubt, carry out a test marking/adhesion test.

The preparation of the substrate and the execution of the painting work must correspond to the current state of science and technology. Please also refer to the current BFS data sheets and VOB, Part C, DIN 18363 Painting and varnishing work.

Application:

Jansen Surface Marking MB must be stirred until homogeneous before use. Ensure that the material is evenly distributed over the entire application area.

Reflective beads (optional, not mandatory)

The reflective beads (a mixture of reflective beads and anti-slip agent) can be sprinkled onto the still wet paint film. These can be spread by hand or using a Jansen automatic spreader (Art. no. 40-6-8).

By scattering Jansen after-bedding reflective beads:

- » road safety, especially at night, thanks to reflective properties
 - » grip
 - » durability
- are increased.

Note:

Delayed gritting leads to:

- **insufficient embedding** of the refractory beads
- **Impairment of grip and visibility**
- **negative effects on road safety**

Apply a test coat before use

If the final coating is applied with several containers, ensure batch uniformity.

Type of application:

Roller: Lambskin roller (solvent-resistant)

Roll 1-2 times

A two-layer application is advantageous. The durability can be increased by applying a second coat.

When applying with a roller, **the surface texture may vary.**

Important note on rollers:

When applying with a brush or roller, the skin formation of the paint must be taken into account. Please note the thinning point.

Airless spraying: Specification for the optimum result

The spray method generally produces a **more uniform and visually superior surface finish.**

The choice of process should therefore be made taking into account the **requirements for surface quality.**

Spraying information

Device	Nozzle/filter	Dynamic pressure	Spray pressure	Thinner
Wagner SF 21	414 white	200	100	1-2%
Graco GX FF	414 blue	150	100	1-2%

Slip resistance:

To achieve a slip-resistant surface, the first coat must be applied with a minimum layer thickness of 90 µm. The second coat must reach a layer thickness of 125 µm. This two-layer coating ensures the slip resistance class R11.

Attention: Pay careful attention to the even distribution of the coating. Nevertheless, absolute visual uniformity is not achievable, especially on larger surfaces.

When applying the final coating with multiple containers, pay attention to batch consistency.

Cleaning the tools:

Jansen Special Thinner for 1K solvent-based marking paints.

Special notes:

Environmental influences: with increasing exposure time, factors such as sunlight, especially UV light, water, dew and heat influence the intensity of the colour. This process is called chalking. Constant stress on the marking delays the process, but does not prevent it. This is not a defect, but a completely normal process.

Drivable

Suitable for vehicles with rubber tyres. Not suitable for loads from vehicles with metal or polyamide tyres or dynamic point loads.

Storage:

Cool, dry and frost-free. Close the opened container tightly and store upside down.

Labelling

Please refer to our current safety data sheet on the Internet at www.jansen.de

The technical information has been compiled in accordance with the current state of science and technology. However, the individual recommendations cannot be considered to be binding as application and processing methods are beyond our control and the different nature of the substrates requires working methods to be tailored accordingly from a professional and craftsmanship perspective. The recommendations do not release the customer from the obligation to test the supplier's products for their suitability for the intended use under their own responsibility. The "General Terms and Conditions of Delivery and Payment of the Paint Industry" in the recommendation approved by the Federal Cartel Office on 1 January 2018 shall apply. With the publication of this data sheet, all previous data sheets for this product lose their validity.

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