2K-Industriemarkierung HB

2K Industrial Marking HB

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

General description

Material type:	Low-solvent, aromatic-free 2K high-solid paint
Area of use:	The 2K Industrial Marking HB is ideal for lines, surfaces and symbols (VZ) in indoor areas with heavy traffic (forklift traffic) and which must be able to withstand being driven over very quickly. Suitable substrates: Bituminous substrates* (mastic asphalt, asphalt concrete), concrete and cement-bound substrates. * Large-scale application on asphalt surfaces in indoor areas is not recommended, as stress-related cracking may occur.
Product features:	» Quick-drying (can be loaded after 12 hours*) » High wear resistance » High coverage » Clearly visible » Suitable for forklift traffic » Low sensitivity to dirt » By adding the additive R (see TM), the slip resistance class R9 is achieved *see Drying
Colours in stock:	Traffic white RAL 9016 Traffic yellow RAL 1023
Colours shades developed, custom-made:	Traffic white, approx. RAL 9016 Traffic yellow, approx. RAL 1023 Traffic orange, approx. RAL 2009 Oxide red, approx. RAL 3009 Tomato red, approx. RAL 3013

Traffic red approx. RAL 3020
Light blue, approx. RAL 5012
Sky blue, approx. RAL 5015
Traffic blue, approx. RAL 5017
Grass green, approx. RAL 6010
Yellow-green, approx. RAL 6018
Traffic green, approx. RAL 6024
Anthracite grey, approx. RAL 7016
Concrete grey, approx. RAL 7023
Stone grey, approx. RAL 7030
Traffic grey A, approx. RAL 7042
Traffic grey B, approx. RAL 7043
Red-brown, approx. RAL 8012
Traffic black, approx. RAL 9017

Delivery time approx. 8–10 working days.

Additional RAL colors:	Upon request. Delivery time approx. 15–20 working days.
Package sizes:	5 kg base coat + 1 kg hardener 10 kg base coat + 2 kg hardener (on request) 20 kg base coat + 4 kg hardener (on request) 30 kg base coat + 6 kg hardener (on request)

Technical data

Density:	Approx. 1.35 kg/l +/- 0.04 kg/l (with hardener)
Viscosity:	According to DIN 53211: 25 -35 sec
Solid state:	75%
Thinner:	If necessary, use a maximum of 5% thinner for 2K Industrial Marking HB to adjust the viscosity for spray application.
Working temperature:	For the object and ambient air, preferably between +10°C and +25°C
Pot life:	Approx. 24 hours, after which the material is unusable. The pot life is not apparent.

Drying:

(23°C, 60% relative humidity)
Hardening time: approx. 60 minutes
Can be painted over: after approx. 2 hours
Walkable: after approx. 5 hours
Suitable for forklift traffic: after 12 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:

Consumption/range	
1. Coat + 2. Coat	
Wet film thickness	300µ
Theoretical consumption*:	0.41 kg/m^2
Theoretical range / KG 10 cm line width	25 running metres

Consumption:

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

Description of use

Substrate preparation:

The area to be marked must be completely dry, free of dust and separating substances (oil, grease, wax).
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.). Despite pre-treatment, exposed aggregate road surfaces may experience adhesion problems that are not caused by the marking material. It is therefore recommended that trial markings be carried out before the final markings are made and that any concerns regarding the condition of the substrate be reported at an early stage.
The moisture content of the concrete must not exceed 4% during marking.

Resin floors
Synthetic resin floors are usually made of epoxy resin or polyurethane. They are divided into sanded and non-sanded coatings. These coatings must always be classified as critical substrates. Since the synthetic resin floors to be coated are in most cases older than 3 days, it is important to roughen them beforehand using suitable methods (e.g. shot blasting, fine milling, etc.) before applying 2K Industrial Marking HB. If the marking is applied within 2 days of applying the synthetic resin coating, there is no need for prior roughening. Due to the wide variety of different coating systems, it is strongly recommended that test coatings/adhesion tests be carried out and, if necessary, that technical information be requested from the coating manufacturer and observed. The availability of technical data sheets for the synthetic resin coating in question is always advantageous for the application, as it allows the composition and properties of the coating to be assessed. (Request from the floor coating manufacturer!

Material preparation	5 parts by weight 2K Industrial Marking HB Base Coat 1 part by weight 2K Industrial Marking HB Hardener To ensure that the individual components are thoroughly mixed, it is essential to mix them mechanically for at least 2–3 minutes. 300–400 rpm. **Attention! The components must be mixed exclusively by weight and not by volume.** First stir the base coat until it is homogeneous. Then stir the hardener evenly into the base coat in the specified mixing ratio (5:1). Care must be taken to ensure that the container wall zones are also included in the mixing process. Finally, transfer into a clean container and mix again. **Only absolutely 100% homogeneous mixtures of both components in the correct mixing ratio result in flawless film properties.**
Type of application:	Roller: Specification for the optimum result Roll 2 x Tool: Paint roller Airless spraying: Specification for the optimum result <u>Important note on airless spraying:</u> 1. Due to the pot life, leftover material should not be left in the machine overnight. 2. In the event of prolonged interruptions to work, remove the premixed 2K Industrial Marking HB from the machine (observe pot life) 3. Before refilling, the machine should be checked to ensure that it has been completely emptied and mixed. <u>Important information for all types of application:</u> If necessary, machines and tools must be rinsed or cleaned exclusively with thinner for 2K-Industrial Marking HB before starting the application or before the material has completely dried (work interruptions). Mixing with other marking agents and thinners should be avoided.
Spraying information	

Device	Nozzle/filter	Dynamic pressure	Spray pressure	Thinner
Wagner Spraypack	LL413/FF312 or 412 white	Level 4-5	Level 4-5	2-3%
Wagner SF 21	LL413/FF312 or 412 white	200/160	120/100	2%
Graco GX FF	FFLP 308/LL315 blue	150	100	2%
Graco Quick Shot	Do not use			

Slip resistance:

If slip resistance is required, 10% Additive R can be added to 2K Industrial Marking HB to achieve slip resistance class R9.

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:

Immediately after use, clean with thinner for 2K Industrial Marking HB.

Special notes:

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.