

Product description

Operational Sector :	Mipa WBS 2K-EP Fußbodenfarbe is a chemical and abrasion resistant 2K-epoxy resin floor paint for the interior use on metallic and mineral substrates. Suitable for coating of floors in garages, workshops and warehousing.
Features :	- high impact and scratch resistance - high abrasion resistance, can be driven on by fork lifts - excellent adhesion to mineral substrates such as for example concrete, cement-based composition floor; - resistant to plasticizers; - resistant against diluted acids and lies, water, oils, petroleum, thaw salt. Not suitable for permanent loading (tanks, capture baths).
Content as per Vdl Directive 01 :	Alkyd resin, water, fillers, additives, preservative
Colour availability :	pebble grey (approx. RAL 7032)
Specification :	Binder base: epoxy solid resin dispersion Solid content: approx. 60 weight-% Delivery viscosity (DIN 53 211): 110 - 130 s 4 mm Spec. weight (DIN 51 757): 1.5 - 1.6 kg /l Gloss degree: satin mat
Storage :	At least 2 years, if the tightly closed original packages are kept dry, protected against frost. Storage temperature: from +5°C till maximum +30°C.
VOC Legislation:	EU limiting value for the product (cat. A/j): 140 g/l (2010). This product contains max. 5 g/l VOC [0.4 lbs/gal]

Application

Processing conditions :	From + 10 °C and up to 70 % relative air humidity. Optimal conditions: air temperature: 20 - 25° C; object temperature >15°C; relative air humidity: 40 - 60 %; air speed : > 0.4 m/s.
Substrate features :	Dry, clean, solid, free from oil, rust, grease and loose particles. Remove cement slag, separation products, a.s.o. Seal the substrate against ascending humidity. Surface tensile strength > 1.5 N/mm².
Substrate preparation :	Mineral substrates: setted concrete of stabilised shape and loadable, free from sanding dust and other substances with separation effect (such as rub down traces, grease, oil, a.s.o.). The humidity has to be equalized on the whole area (concrete, composition floors based on cement < 4 weight-%, anhydrite < 0.3 weight-%, magnesite 2 – 4 weight-%, magnesia cement composition floor 4-8 weight %). Ensure perfect insulation against earth humidity. Pull off resistance: minimum 1.5 N/mm². Remove old 1K coatings or loose 2K coatings. Blast cleaning or milling will provide an improved key.
Cement sludge resp. crumbly coatings which are not firmly adhering:	Check the adhesion of different areas by scratch test using either a sharp device or a needle. Sometimes a crumbly zone could be found at about 1 mm under a thin, hard surface.

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Product Information

**Compact, glassy
sintered coats :**

Remove mechanically or chemically (with a solution of hydrochloric acid 10 %. Wash with clear water and dry). Ensure the substrate is sufficiently cleaned, in good condition and firmly adhering.

Scrape the surface to check the absorbance and wet with water in different places. The scrapes will become darker, on the rest of the sintered coat neither absorption nor darker colouration will be noticed. Remove mechanically or chemically the sintered coats by using a solution of hydrochloric acid 10 % then wash with clear water and dry. An instant uniform darkening of the whole surface by wetting certifies that the optimum degree of absorbance is reached.

**Oil, grease, wax and
soap suds residues :**

Wash by using a cleaning agent (do not use products which contain care additives such as wax, silicone a.s.o.). Repeat the operation if required. Sometimes deep penetrated substrates are impossible to clean. Remove and eventually renew heavily damaged areas.

**The pores have to be
open and free of dust :**

After cleaning use an industrial dust collector to exhaust all traces especially in case of mechanical treatment of the surface. The existing 2K-coatings in good condition and firmly adhering should be sufficiently sanded. Ascertain the compatibility (on a sample area). Damaged old coatings should be restlessly removed (mechanically or by using a paint remover Mipa Abbeizer).

Mixing ratio :

Mix thoroughly
4 parts by weight Mipa WBS 2K-EP Fußbodenfarbe with
1 part by weight Hardener WEP 9300-25.
Allow 15 min. before further processing.

Dilution :

Mipa WBS VE-Wasser

Application process :

Brushing and rolling: Apply undiluted (short hair roller for ex. velour)

Spraying

Air:

Airless:

Viscosity : 25 - 30 s 4mm DIN

50 s 4 mm DIN

Nozzle : 1.5 - 1.8 mm

0.28 - 0.33 mm

Pressure : 3 - 4 bar

120 - 150 bar

Drying

Dust dry: 25 - 30 min.; Set to touch: 4 - 6 h; Can be tread on: after approx. 1 day; Mechanically loadable: after approx. 3 days;
Can be driven on by fork lifts and chemically complete loadable: after approx. 7 days

Pot life :

Approx. 3 - 4 hours.

Attention: The end of the pot life is not connected with a gradual increase of the viscosity. Gloss, colour, adhesion properties as well as the chemical and mechanical resistance will be diminished by using a product longer than its pot life

Application proposal:

By new, strong absorbent substrates, apply by brushing a basecoat with WBS 2K-EP Fußbodenfarbe diluted 1 : 1 with water. This will insulate and give a good protection to the support.

Smooth coating

1. coat Mipa WBS 2K-EP Fußbodenfarbe diluted up to 10%
2. coat Mipa WBS 2K-EP Fußbodenfarbe unthinned

Non-slip coating:

1. coat Mipa WBS 2K-EP Fußbodenfarbe diluted up to 10%, incl. 10-30 weight % Mipa Grip-Substrat

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2. coat Mipa WBS 2K-EP Fußbodenfarbe unthinned
Recoating: At the earliest after 8 hours and at the latest after 24 hours
If longer drying times are necessary, an intermediate sanding is recommended. Do not exceed a maximum coat thickness of 200 µm.

Consumption : Approx. 4 m² / kg

Recommendations for end-use

The substrates spread with Mipa Flock Chips are not suited for garages and warehouses (can not be driven on by fork lifts). Prime with Mipa Tiefgrund LF the poor absorbent, crumbling substrates for further consolidation of the support. When applied on more important areas, take care to use only material from the same batch or mix together from the beginning the whole quantity of material necessary for the application. Transfer the blended material in another container and stir again thoroughly. An insufficient blending could be critical for the success of the application.

Safety instructions

Safety data sheet available for professional user on request.

Cleaning of tools

Tools should be cleaned immediately after use with water or warm soap solution. By longer process interruption, intermediate cleaning is recommended.

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