

Product Information

Product description

Operational Sector :	Wear resistant one component floor coating based on acryl dispersion for the interior and exterior. The product is suitable for mineral substrates (cement wash, concrete, cement, brickwork), wood or chipboards in cellars, stores, offices and production rooms, as well as walls and socles. Do not use for garage floors or substrates driven on by fork lifts. Not suitable for underwater coatings or horizontal surfaces under permanent water contact.		
Features :	<ul style="list-style-type: none">- water thinnable- weather resistant according to DIN 18 363, VOB Part C- permeable to water vapour- hard wearing- good hiding power- quick applicable, easy to clean- high efficiency		
Content :	acrylate dispersion, anorganic and organic pigments, mineral fillers, water, glycols, additives, cure agent.		
Colours :	silver grey (approx. RAL 7001); gravel grey (approx. RAL 7032)		
Specification :	Gloss:	silk gloss	DIN 67 530
	Spec. weight:	1,2 g/cm ³	DIN 51 757
	Viscosity:	90 dPas	DIN 53 019
	pH-value:	8,3	DIN 53 785
	Elasticity:	> 8 mm	DIN 53 156
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-regulation:	EU limiting value for the product (cat. A/i): 140 g/l (2007/2010) This product contains max. 39g/l VOC[0,33lbs/gal]		

Application

Processing conditions :	From + 10 °C up to + 35 °C and max. 75% relative air humidity. Avoid direct sun influence and strong wind.
Suitable substrates :	Absorbing, mineral substrates such as concrete, cement wash, plastering, brickwork not exposed to water contact. Max. moisture content of the substrate: below 5%. Substrate adhesivity: more than 1 N/mm ²
Substrate preparation :	The substrate has to be clean, absorbing, dry, sound and free of separation substances (such as oil, grease, paraffine, rub off rubber, wax and separation agent).

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Remove damaged, not adhesive old layers of paint. Sand well the adhesive old layers of paint and remove sanding dust afterwards. Insulate against the ascendant humidity at least one month before the overcoating.

Cement sludge id.e. crumbly, non adhesive surface coats :

Ensure the existing coating is in good condition and firmly adhering by scraping in different places by using a sharp tool or finger-nail. Sometimes a crumbly area may be found under 1 mm thin, hard coat. Remove all these areas mechanically or by using a 10% acid solution. Wash with water to remove all traces till a sound, firm substrate is obtained.

Mechanical cleaning :

Blast cleaning and thoroughly abrade using a Rutscher or wire brush. Avoid high speed grinding (pore sealing).

Compact, glassy, vitrified coats :

Test the absorbency by scraping and wetting with water in different places. The scratch will become darker and the rest of the vitrified surface will remain unchanged. Mechanical cleaning or acid treatment (10% acid solution followed by washing with clear water) till an absorbent surface is obtained (by wetting, the whole surface will become immediately dark).

Oil, grease, wax and traces of soap lyes :

Wash by using a cleaning agent (avoid cleaning agents with cure substances such as wax, silicone, a.s.o.). Repeat the operation. If deep, heavily contaminated areas are involved, complete removal is recommended. Renew the affected areas.

The pores have to be open, dust free :

After the cleaning use a powerfull dust collector (industrial vacuum cleaner) especially when a mechanical cleaning was performed. Clean and sand firm adhering 1K- and 2K-coatings as well as old dispersion coats. Test the compatibility of the product (test progamme on sample). Remove the old layer (mechanically or by using a removal agent - Mipa Abbeizer).

Pre-treatment :

For interior use a base coat with Mipa Tiefgrund LF is recommended and for exterior treat the sandy, dusty surface with Mipa Tiefgrund. Thin the first coat by strong absorbing substrates. Apply the second coat unthinned. Flush off time of 4 – 8 hours between the applications (according to the environment temperature and air humidity).

Thiner :

Water, only for the basecoat.

Application process :

Rolling, brushing or spraying. Stir well before use!

Brushing and rolling

1. coat by brushing: use suede roller for rolling.

Spraying Airless/Airmix

Pressure: 180 bar

Spraying angle: 50° (dependent on the size of the surface)

Nozzle: 0,33 mm

Viscosity: 90 dPas (unthinned)

Spraying operations: 2

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Drying times : The drying is strongly dependent on the coat thickness, the temperature and the relative air humidity.

dust dry	after 30 - 60 min.
dry to touch	after 2 - 3 h
passable:	after 24 h
full cure:	after 7 days

Spreading rate : The versatility of the operational sector (different structure and absorbance of the substrate) does not allow an exact figure. A test coat on the object is the best guarantee.
Depending on the substrate and the application: ca.11 m² / liter.

Special recommendations

Use always material from the same batch (with the same number) or mix first the necessary quantity of product when neighbouring areas have to be painted.

Safety instructions

Mipa WBS Betonfarbe is slightly alkaline. Protect eyes and sensitive skin against colour. Wash away colour traces immediately with sufficient clear water. Consider general hygienic rules. Also water based paints should be kept out of reach for children.

The product should not be allowed to enter drains, sewers or water courses. Provide suitable ventilation during and after processing. Do not breath spray mist.

Cleaning of tools

Tools should be cleaned immediately after use with water. Spraying dust should be cleaned immediately with water. Dried films can be removed with a paint remover (Mipa Abbeizer).

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