

Technical data sheet

Description

Intended use:	Water-based, polyurethane reinforced acrylic paint to create high-quality gold effect coatings. Suitable for primed metal substrates and mineral substrates like concrete and masonry as well as for well adherent paintworks based on dispersion or synthetic resin. For interior and exterior use.												
Characteristics:	<ul style="list-style-type: none"> - weather-resistant according to VOB Teil C, DIN 18 363 - no blocking, lightfast - water-repellent, non-saponifiable, excellent flow - waterborne, low in odour, reliable adhesion 												
Content as per VdL Directive 01: (Association of German paint industry)	Polyurethane-acrylate dispersion, effect pigments, water, glycol, additives, preservatives												
Colours:	gold This gold colour can be customized by mixing this product with Mipa WBS PU-Buntlack Kupferfarbe (copper).												
Specifications:	<table border="0"> <tr> <td>gloss level:</td> <td>satin matt</td> <td>DIN 67 530</td> </tr> <tr> <td>specific weight:</td> <td>approx. 1,1 g/cm³</td> <td>DIN 51 757</td> </tr> <tr> <td>viscosity:</td> <td>thixotropic</td> <td>DIN 53 019</td> </tr> <tr> <td>pH-value:</td> <td>8,2</td> <td>DIN 53 785</td> </tr> </table>	gloss level:	satin matt	DIN 67 530	specific weight:	approx. 1,1 g/cm ³	DIN 51 757	viscosity:	thixotropic	DIN 53 019	pH-value:	8,2	DIN 53 785
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Storage :	Storable at least 2 years in tightly closed original container. Keep it in dry and frost-free stores at a temperature between +5°C and maximum +30°C.												
VOC regulation:	EU limit value for this product (cat. A/d): 150 g/l (2007)/ 130 g/l (2010) This product contains at most 35 g/l of VOC.												

Information about application

Processing conditions:	The object and ambient temperature should be between + 5°C and + 30°C. Do not apply if exposed to direct sunlight or high wind. Relative air humidity: up to max. 75 %.
Substrate preparation:	The substrate must be clean, dry, sound and free from dust, oil, grease, waxes and corrosion signs. Remove completely old paint layers which are not intact. Sand and free from dust well adherent old paint layers
Old timber:	Weathered wood surfaces should be ground down to the sound wood. Afterwards follow the instructions as mentioned for new timber.
New timber/ derived timber products:	Remove exuded resin and pitch pockets. Maximal moisture content for softwood: 15 %, for hardwood: 12 %. For exterior use, apply a first coat with Mipa WBS Holzschutzgrund Premium. In case of coating new wood (also impregnated) in bright colours it might appear brownish stains caused by wood component. Prevent these stains by applying an intermediate coat with Mipa WBS Isoliergrund.
Metal substrate:	First coat with Mipa WBS Allgrund (adhesion on steel, iron, zinc and aluminium). Overcoatable with Mipa WBS Goldlack after approx. 4 hours.

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Mineral substrates: Insulate absorbent, powdery or chalking substrates with Mipa Tiefgrund LF. Apply an intermediate coat with Mipa WBS Goldlack thinned up to 10 % with water. Topcoat with Mipa WBS Goldlack undiluted.

Application: Stir well before use!
By brush and roller
 Thin up to 10 % with water in case of absorbent substrates and higher temperatures.

By spraying (Airless/Airmix)	spraying (air)
pressure: 180 bar	3 – 4 bar
spraying angle: 50° (depends on the surface sizes)	
nozzle: 0,13 mm	1,8 mm
viscosity: undiluted	120 s 4 mm DIN
number of coats: 2	2

between the coats: 10 Min. flash-off time

Drying time: Allow flash-off time of 10-15 minutes before drying at higher temperature. The drying depends strongly on film thickness, temperature and relative humidity.

	20° C	60° C
dust dry	approx. 50 Min.	approx. 20 Min.
set to touch	approx. 1.5 h	approx. 45 Min.
tack free	approx. 4 h	approx. 1 ½ h after cooling

Spreading rate: Depends on substrate and application mode: approx. 12 m²/l per coating.

Special notes

Please consider that Mipa WBS Goldlack doesn't show resistance to plasticiser. When applying Airless, stir well and strain the colour.

Safety advices

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

Cleaning of tools

Clean tools immediately after use with water. Remove overspray immediately with water. Dried films can be removed with stripping agent.

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