

Intended use

Waterborne alkyd resin paint for high-quality coatings on wooden construction elements such as roof overhang, wall and ceiling panels, garden pavilions and fences. For interior and exterior use. Applicable on primed metal substrates as well as on well adherent old paintworks based on dispersion or synthetic resin.

Processing instructions

	Mixing ratio		
	hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
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	Hardener
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	Pot life
	--

	Thinner
	Mipa WBS VE-Wasser

	Spray viscosity	
	gravity spray gun	Airmix/Airless
	30 - 40 s 4 mm DIN	--

	Application mode					
	application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
	gravity spray gun / HVLP	--	2,0 - 2,5	1,2 - 1,3	2 - 3	5 - 10 %
	brushing, rolling	--	--	--	--	0 - 5 %

	Drying time					
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable recoatable
	--	20 °C	20 - 30 min	40 - 45 min	24 h	-- 1 h

Fully cured after 5 - 6 days (at 20 °C).

Note

Characteristics:	binder base:	PU-modified alkyd resin emulsion
	solids content (% by weight):	49 - 56
	solids content (% by volume):	37 - 39
	delivery viscosity DIN 53211 4 mm (in s):	thixotropic
	density DIN EN ISO 2811 (kg/l):	1,2 - 1,4
	gloss level ISO 2813 at 60° (GU):	> 80 glossy

Properties:	weather resistant as per VOB part C, DIN 18 363 free from cobalt and butanonoxim waterborne, low odour, firm adhesion highly UV- and weather-resistant no blocking, lightfast, breathable resistant to fuels and diesel if exposed temporarily water-repellent, non-saponifiable, excellent flow heat resistance: - short-term heat exposure: 140 °C - permanent heat exposure: 120 °C
Theoretical spreading rate :	26,6 - 30,2 m ² /kg for 10 µm dry film thickness 36,7 - 37,9 m ² /l for 10 µm dry film thickness
Storage:	for at least 2 years in the unopened original container. Optimum storage conditions between + 5 °C and + 25 °C, avoid direct sunlight. Other storage conditions may lead to undesirable properties of the material.
VOC Regulation :	EU limit value according to Directive 2004/42/EC for this product (category A/d): 130 g/l. This product has the following maximum VOC-values: applied by brush/ roller, spraying: < 80 g/l of VOC
Processing conditions:	from + 10 °C and up to 70 % relative humidity. Ensure adequate air ventilation.
Substrate preparation:	Remove oil, grease, rust, mill scale, rolling skins, as well as other substances impairing the function of the coating! Attention: A direct adhesion cannot be taken as granted due to most different kinds of metals, alloys, metallic and conversion coatings and so on. The adhesion must therefore be tested on the original metal substrate. steel: - blast to cleaning degree Sa 2½, remove blast residues and overcoat promptly - de-rust with hand and power tools to degree of cleanliness St 3 - degrease with Mipa WBS Reiniger or Mipa Silikonentferner zinc substrates: - clean the surface with the ammonia solution Mipa Zinkreiniger - sweep blast aluminium: - degrease with Mipa 2K-Verdünnung, sand thoroughly with sandpaper P 360/400 and clean subsequently with Mipa Silikonentferner wood (wood moisture max. 15 %): - pre-sand with grit P 180 – P 280 and remove dust thoroughly

Proposed coating structure: steel, zincd substrates:
priming coat: *WAY 1000-20 with 50 - 60 µm dry film thickness
finishing coat: WAK 2500-90 with 50 - 60 µm dry film thickness

aluminium:
priming coat: *WAY 1000-20 with 25 - 30 µm dry film thickness
finishing coat: WAK 2500-90 with 50 - 60 µm dry film thickness

wood for exterior use:
impregnation: WBS Holzschutzgrund
priming coat: *WAY 1000-20 with 50 - 60 µm dry film thickness
finishing coat: WAK 2500-90 with 50 - 60 µm dry film thickness

*Further Mipa primers are available. Please contact your technical adviser or our application technicians.

Special notes: For professional use only.

Paints that have been tinted with aluminium pastes must be protected from heat. Store at max. 35° C. Failure to take this into account may lead to an internal pressure build-up.

Drying times reduce with increasing air velocity and degreasing relative humidity. When drying with air guns, the drying time can be reduced considerably. Optimum processing conditions:
air temperature 20-25°C
object temperature > 15°C
relative air humidity 40-60 %
air velocity >0,4 m/s

Check colour shade prior to application.

Cleaning of tools: Clean tools immediately after use with Mipa WBS-Pistolenreiniger.