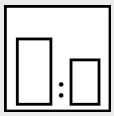
WAK 2500-30 WBS Synthetic Topcoat satin matt

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

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Thinner

Mipa WBS VE-Wasser

Processing 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):	~ 54
solids content (% by volume):	~ 37
delivery viscosity DIN 53211 4 mm (in s):	thixotropic
density DIN EN ISO 2811 (kg/l):	~ 1,4
gloss level ISO 2813 at 60° (GU):	20 - 30 satin matt

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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-saponafiable, excellent flow
Heat resistance:
- Short-term heat exposure: 140 °C
- Permanent heat exposure: 120 °C

Theoretical spreading rate:

~ 31,3 m²/kg for 10 µm dry film thickness.
~ 36,9 m²/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:

< 80 g/l.

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 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.

Znced 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, zinced substrates:
Priming coat: *WAY 1000-20 with 50 - 60 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

Aluminium:
Priming coat: *WAY 1000-20 with 25 - 30 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

Wood for exterior use:
Impregnation: WBS Holzschutzgrund.
Priming coat: *WAY 1000-20 with 25 - 30 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

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Special notes:

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

For professional use only.

The details of the paragraphs - Proposed coating structure, Characteristics, Theoretical spreading rate, VOC - refer to the colour shade RAL 7035. For other colour shades, these may deviate.

When alkyd resin (based) products are stored, a skin can form on the surface of the paint due to the system. This generally has no negative effects on the quality (material testing is recommended!).
If a skin has formed, it must be carefully removed before stirring (before tinting for bases) and the product must be sieved as required before application.

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.

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