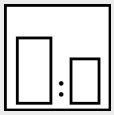
AK 250-90 Synthetic Topcoat gloss

Intended use

Thixotropic glossy synthetic paint with long open time to coat by brush or roller components and constructions which are made of wood or metal. For interior and exterior use.

Processing instructions



Mixing ratio

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
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Hardener

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Pot life

2 days with Mipa Härterverdünnung

Thinner

Mipa KH-Verdünnung

Mipa Terpentinersatz

Mipa Härterverdünnung

Processing viscosity

gravity spray gun	Airmix/Airless
20 - 25 s 4 mm DIN	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	1,5 - 1,8	2 - 3	20 - 25 %
Airmix / Airless compound pressure	--	1,0 - 2,0 100 - 120	0,23 - 0,28	1	10 - 15 %
paint brush, roller*	--	--	--	--	0 - 10 %

Drying time

hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	20 °C	60 - 70 min	6 - 8 h	24 h	--	24 h
--	60 °C	--	--	60 min	--	--

Fully cured after 8 - 10 days (at 20 °C).

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Note

Characteristics:	binder base:	alkyd resin
	solids content (% by weight):	~ 67
	solids content (% by volume):	~ 56
	delivery viscosity DIN 53211 4 mm (in s):	thixotropic
	density DIN EN ISO 2811 (kg/l):	~ 1,2
	gloss level ISO 2813 at 60° (GU):	> 80 gloss

Properties:
Long open time, excellent filling properties, good edge coverage
Highly UV- and weather-resistant
Resistant to petrol and diesel if exposed temporarily
Short-term heat exposure 140 °C
Permanent heat exposure 120 °C

Theoretical spreading rate:
~ 50,1 m²/kg for 10 µm dry film thickness.
~ 51,3 m²/l for 10 µm dry film thickness.

Storage:
For at least 3 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:
< 360 g/l.**

Processing conditions:
From + 10 °C and up to 80 % 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.

Wood (max. moisture: 15 %):
- Pre-sanding with sandpaper P 180 - P 280 and dust off thoroughly.

Proposed coating structure:
Steel:
Priming coat: ***AK 100-20 / AK 105-20 with 50 - 60 µm dry film thickness.
Finishing coat: AK 250-90 with 50 - 60 µm dry film thickness.

Wood in exterior use:
Waterproofing: Mipaxyl spezial.
Priming coat: Mipa Malervorlack HS with 50 - 60 µm dry film thickness.
Finishing coat: AK 250-90 with 50 - 60 µm dry film thickness.

Wood in interior use:
Priming coat: Mipa Malervorlack HS with 50 - 60 µm dry film thickness.
Finishing coat: AK 250-90 with 50 - 60 µm dry film thickness.

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Special notes:

*Suitable: Mipa KH-Verdünnung, Mipa Terpentinersatz; unsuitable: Mipa Härterverdünnung.

**This product contains the following maximum VOC-values:
- Applied by brush/ roller: < 420 g/l of VOC.

***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.

Applying too thick layers may extend considerably the drying time.

Permanent thermal stress may lead to yellowing.

Check colour shade prior to application

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.

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