AY 210-10 1K Acrylic Topcoat matt

Technical data sheet



Intended use .

Fast drying, matt 1K acrylic paint for complete and partial coatings on vehicles and machines. Perfectly suitable to be filled into aerosol spray cans.

Processing instructions

	Mixing ratio hardener 		b 	y weigh	t (lacquer : l	hardener) k -	y volume (laco -	quer : hardener)
A	Hardener 							
	Pot life							
	Thinner Mipa Verdünn	ung UN 21						
[∏ s	Spray viscos gravity spray 18 - 20 s 4 mr	gun			Airm 	iix/Airless		
	Application i application n		hardener	-	essure ar)	nozzle (mm)	spray passes	dilution
	gravity spray (HVLP	gun/ ·		2,0	0 - 2,5	1,2 - 1,3	2 - 4	25 - 30 %
\bigcirc	Drying time hardener	object	dust d	Irv	set to	ready for	sandable	recoatable
	naraonor	temperat		,	touch	assembly	cunaubio	loooutublo
		20 °C	10 - 15	5 min	20 - 25 min			15 min
	-	60 °C				30 min		
Fully cured after 2 days (20 °C) .								

Note		
Characteristics:	binder base:	acrylic copolymer
	solids content (% by weight):	48 - 54
	solids content (% by volume):	35 - 38
	delivery viscosity DIN 53211 4 mm (in s):	125 - 135
	density DIN EN ISO 2811 (kg/l):	1,0 - 1,2
	gloss level ISO 2813 at 60° (GU):	10 - 20 matt

Version: en 1/0718
This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on
years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our
products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete
the information content at any time, without prior notice or obligation to update.

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	Professional Coating Systems				
Properties:	electrostatic application possible short drying time highly UV- and weather-resistant heat resistance: - short-term heat exposure: 130 °C - permanent heat exposure: 70 °C				
	adhesion on unplasticised PVC				
Theoretical spreading rate :	30,3 - 37,2 m²/kg for 10 μm dry film thickness 36,7 - 38,7 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 Regulation :	This product contains the following maximum VOC-values: undiluted: < 550 g/l of VOC				
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 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				
	zinced 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 unplasticised PVC:				
	- clean (remove completely any mould release agents), degrease with Mipa Kunststoffreiniger, sand slightly and degrease again with Mipa Kunststoffreiniger				
	1K old paintworks: - remove completely (sanding, paint remover)				

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Proposed coating structure:	steel: priming coat: *AK 105-20 / AK 100-20 / VB 100-20 with 50 - 60 μm dry film thickness finishing coat: AY 210-10 with 30 - 40 μm dry film thickness
	zinced substrates: priming coat: *VB 100-20 with 50 - 60 μm dry film thickness finishing coat: AY 210-10 with 30 - 40 μm dry film thickness
	aluminium: priming coat: *VB 100-20 with 25 - 30 μm dry film thickness finishing coat: AY 210-10 with 30 - 40 μm dry film thickness
	unplasticised PVC: AY 210-10 with 40 - 50 μm dry film thickness
	*Further Mipa primers are available. Please contact your technical adviser or our application technicians.
Special notes:	For professional use only.
	Especially UV-resistant pigmentations are available on demand.
	Furthermore it's possible to mix it with neon colours which can be applied then as single-layer. Please see the technical data sheet "Mipa Neon-Farbtöne PMI singlelayer paints".
	In case of ambient temperatures higher than 25°C it's necessary to add 70 % of Mipa Verdünnung UN 21 (to avoid cobwebbing).
	Check colour before use.
Cleaning of tools:	Clean tools immediately after use with Mipa Nitroverdünnung.

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