

Product description

Operational Sector :	2K-polyurethane-acryl high performance coating suitable for commercial vehicles, facade construction elements and heavily strained machines and constructions.		
Specification :	Binder base:	Polyurethane-acryl-system	
	Solid content:	55 - 60 by weight -%	
	Delivery viscosity (DIN 53 211):	140 - 160 s 4 mm DIN	
	Spec. weight (DIN 51 757):	1,10 - 1,25 kg / l	
	Gloss (DIN 67 530):	< 8 % / 85°(opaque dull)	
Features :	<ul style="list-style-type: none">- electrostatically applicable- high UV- and weathering resistance- excellent water resistance- resistance to solvents- scratch proof- temperature stability: permanent exposure: 100 °C; short time exposure: 180 °C- adhesion test (DIN 53 151): steel: Gt 0 (very good)		
Storage :	In tightly closed original containers at least 3 years shelf life		

Application

Processing Conditions:	From + 10 °C and up to 80 % relative air humidity .			
Substrate Preparation :	Ferrous metal, steel: clean, eventually sand (remove rust, cinder, oxides) and degrease with Mipa Silikonentferner (anti - silicone). Zinc: clean with ammonia alkaline wetting agent. Aluminium: clean, sand and degrease with Mipa Silikonentferner (anti-silicone).			
Application Process :	Pressure [bar]	Nozzle [mm]	Spraying Operations	Thinner
Air / Flow jar	3 - 5	1,3 - 1,5	2 - 4	10 - 15 %
HVLP	2,5 - 3	1,3 - 1,4	2 - 4	10 - 15 %
Airless	120 - 150	0,28 - 0,33 (65 - 95 °)	1	unthinned
Thinner :	Mipa 2K-Verdünnung			
Hardener :	Mipa 2K-Härter H5, H10, H25, MS10, MS25, MS 40, VHS 10, VHS 25, by brush or roller application Mipa PUR-Plus-Härter A60			
Mixing Ratio :	With Mipa 2K-Härter H5, H10, H25, MS10, MS25, MS 40: by weight: 3 : 1 (tinter : hardener) by volume: 2 : 1 (tinter : hardener)			

This data sheet is for information purpose only! To our knowledge the data provided complies with the latest standard and is based on years of experience in the manufacture of our products. However the data is not binding and without warranty. Please follow recommendations stated on the relevant safety data sheet and precautions stated on the product label. We reserve our right to make additions, deletions, or modifications to the information at any time without prior notification.

With Mipa 2K-VHS-Härter VHS 10, VHS 25, Mipa PUR-Plus-Härter A60:				
Dry	by weight:	5 : 1	(tinter : hardener)	
	by volume:	4 : 1	(tinter : hardener)	
	dust dry	set to touch	handle	recoatable
	Object temp. 20 °C Object temp. 60 °C	25 - 30 min. 2 - 3 h	6 - 8 h 30 min.	- -
Full cure after 5 - 6 days (20 °C).				
Pot Life :	1 - 8 hours			
Application Proposal :	Ferrous metal, steel:			
	Base coat: EP 100-20 (coat thickness: 50 – 70 µm)			
	Top coat: PU 240-05 (coat thickness: 50 – 60 µm)			
	Zinc:			
	Base coat: EP 100-20 (coat thickness: 50 – 70 µm)			
	Top coat: PU 240-05 (coat thickness: 50 – 60 µm)			
	Aluminium:			
	Base coat: EP 100-20 (coat thickness: 50 – 70 µm)			
	Top coat: PU 240-05 (coat thickness: 50 – 60 µm)			
Theoret. Consumption :	5 - 5,5 m ² / kg (by 50 µm dry coat thickness)			

Special Recommendations

To be used only by professionals. Some colours may contain lead therefore do not use for children's toys or for objects which may be chewed or sucked. Unique UV-resistant pigmentations (for example for facade coating) are available on request.
Besides there is the possibility to mix fluorescent paints Mipa Neon-Farbtöne which are designated for one coat application. In this case please see the Product Information "Mipa Neon-Farbtöne PMI-Einschichtlacke".

Cleaning of Tools

Tools should be cleaned immediately after use with cellulosic diluent Mipa Nitroverdünnung.

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