EP 170-20 2K-EP-Zinkstaubfarbe

Technical data sheet



Intended use

Mipa EP 170-20 2K-EP-Zinkstaubfarbe is a high-quality zinc dust coating that ensures long-term cathodic corrosion protection. It can be applied only on bare, completely rust-free steel that has been blasted to cleaning degree Sa 2½.

Registered according to Bundeswehr (German army) TL 8010-0012, class A, type 4.

Colour: greyish-green.

Processing instructions



 Mixing ratio

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

 EP 980-25
 24 : 1
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Hardener Mipa EP 980-25 2K EP Hardener

with hardener -25 max. 24 h at 20 °C



Pot life

Thinner Mipa EP Verdünnung 971

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Processing viscosity

Ready for use after addition of hardener, if necessary thin with Mipa EP Verdünnung 971.

The processing viscosity is adjusted with the specified thinner according to the conditions of the device/ line.

	gravity spray gun	Ai	rmix/Airless	
	-	-		
1	Application mode			

$\frown K$	Ē	
		-X

\supset	Application	noue					
F	application m	node	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
	gravity spray g HVLP	gun /		2,0 - 2,5	1,4 - 1,6	2	0 %
	paint pressure compound pre	e tank - essure		2,0 - 2,5 0,5 - 0,8	1,4 - 1,6	1 - 2	0 %
	Airmix / Airles compound pre	s ·	-	1,0 - 2,0 80	0,28 - 0,41	1	0 %
	Drying time						
)	hardener	object temperat	dust dry ure	set to touch	ready for assembly	sandable	recoatable
		20 °C	5 min	6 h	16 h		30 min

Recoatable at the earliest after 30 min. at 20 °C and at the latest after 7 days.

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Note					
Characteristics:	binder base: solids content (% by weight): solids content (% by volume): delivery viscosity DIN 53211 4 mm (in s): density DIN EN ISO 2811 (kg/l): gloss level ISO 2813 at 60° (GU):	modified epoxy resin ~ 91 ~ 58 thixotropic ~ 3,1 matt			
Properties:	Very high active corrosion protection (cathodic) Electrostatic application possible Heat resistance: - Permanent heat exposure: Up to max 400 °C Adehesion on blasted steel				
Theoretical spreading rate:	\sim 19,2 m²/kg, 24:1 by weight with EP 980-25, for 10 μm dry film thickness. \sim 48,8 m²/l, 24:1 by weight with EP 980-25, 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:	< 400 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 tal metals, alloys, metallic and conversion co therefore be tested on the original substra	ken as granted due to most different kinds of atings and so on. The adhesion must ate.			
	Steel: - Blast to cleaning degree Sa 2½, remove	blast residues and overcoat promptly.			
Proposed coating structure:	Steel: Priming coat: EP 170-20 with 20 - 45 μm Intermediate coat: *EP 175-20 with 40 - 6 Finishing coat: *PU 246-XX / PU 249-XX v	dry film thickness above roughness depth. 30 μm dry film thickness. vith 40 - 60 μm dry film thickness.			
Special notes:	*Further Mipa intermediate/ finishing coats are available. Please contact your technical adviser or our application technicians.				
	To get more information about recommen corrosivity categories as per DIN EN ISO the brochure "Mipa Corrosion protection"	nded coating structures according to 12944 please contact us or have a look at '!			
	For professional use only.				
	Due to the system, zinc dust paints tend remove possible overspray either by clear by a tack rag before applying the subsequ	to develop more spray mist. Therefore, n compressed air (free from oil or water) or ient coating.			
Cleaning of tools:	Clean tools immediately after use with M	ipa Nitroverdünnung.			

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