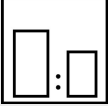








Intended use

Thixotropic, high-build single-layer black mica coating designed for brush, roller and spray applications according to TL 918 300, sheet 77. It is suitable to coat constructions (halls, pipes, doors, wall and ceiling panels, roofs, containers, vehicles) which are made of steel, zinc steel, aluminium and PVC. For interior and exterior use. Also suitable to coat mineral substrates (concrete, screed, and so on).

Processing instructions

	Mixing ratio						
	hardener		by weight (lacquer : hardener)	by volume (lacquer : hardener)			
	–		–	–			
	Hardener						
	–						
	Pot life						
	–						
	Thinner						
	undiluted, if necessary thin with Mipa UN-Verdünnung or Verdünnung UN 21						
	Spray viscosity						
	gravity spray gun			Airmix/Airless			
	–			–			
	Application mode						
	application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution	
	brushing, rolling	–	–	–	–	0 %	
	Drying time						
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
	–	20 °C	25 - 30 min	4 - 5 h	8 - 10 h	–	–
	–	60 °C	–	30 min	30 min	–	–

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

Note

Characteristics:	binder base:	vinyl copolymer
	solids content (% by weight):	67 - 69
	solids content (% by volume):	44 - 45
	delivery viscosity DIN 53211 4 mm (in s):	thixotropic
	density DIN EN ISO 2811 (kg/l):	1,4 - 1,6
	gloss level ISO 2813 at 60° (GU):	matt*

- Properties:** good edge coverage
electrostatic application possible
highly UV- and weather-resistant
very good water resistance
heat resistance:
- short-term heat exposure: 90 °C
- permanent heat exposure: 70 °C
adhesion on steel, zincd substrates, aluminium, hard PVC and concrete
- Theoretical spreading rate :** 30,0 - 30,4 m²/kg for 10 µm dry film thickness
46,0 - 44,5m²/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 :** EU limit value according to Directive 2004/42/EC for this product (category A/i): 500 g/l
This product contains the following maximum VOC-values:
applied by paint brush/ roller: < 500 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
- zincd 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
- hard PVC:
- clean (remove completely any mould release agents), degrease with Mipa Kunststoffreiniger, sand slightly and degrease again with Mipa Kunststoffreiniger
- mineral substrates:
- mineral substrates (set, dimensionally stable, rough and solid) must be free from friable parts and other substances that may affect the adhesion (e.g. rubber marks, greases, oils, rust, dust and similar).

Proposed coating structure: single-coat system
steel, zinc coated substrates, aluminium:
VC 555-20 with 200 - 240 µm dry film thickness

PVC:
VC 555-20 with 80 - 120 µm dry film thickness

2-coat system
steel, zinc coated substrates:
priming coat: **VB 100-20 at least 20 - 30 µm or EP 100-20 with 50 - 70 µm dry film thickness
finishing coat: VC 555-20 with 200 - 240 µm dry film thickness

aluminium:
priming coat: **VB 100-20 at least 20 - 30 µm or EP 100-20 with 25 - 30 µm dry film thickness
finishing coat: VC 555-20 with 200 - 240 µm dry film thickness

concrete/ mineral substrates:
priming coat: Tiefgrund LH (exterior use) or Tiefgrund LF (interior use)
finishing coat: VC 555-20 with 80 - 120 µm dry film thickness

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

Special notes: * due to the special surface, a measurement according to DIN EN ISO 2813 is inappropriate!

For professional use only.

Due to the system, strong exposure to UV and weathering may cause chalking. In addition, the thermoplastic behaviour of the coating must be observed at higher temperatures.

Check colour before application.

In order to achieve optimum iron mica effects and to avoid strips, it is advisable to spray the finishing coat or to roll or paint in only one direction.

Cleaning of tools: Clean tools immediately after use with Mipa Nitroverdünnung.