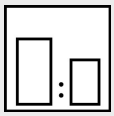
Intended use

2K epoxy topcoat for steel, zinced substrates, aluminium, GRP and mineral substrates. Also suitable for coating floors in garages and warehouses. Learn more about application and product properties in technical data sheet Mipa EP 200-50 Floorcoat.

Processing instructions



Mixing ratio

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
EP 950-XX	2 : 1	2 : 1

Hardener

Mipa EP 950-10, EP 950-25

Pot life

with hardener -25 approx. 6 - 8 h at 20 °C

Thinner

Mipa EP-Verdünnung, Mipa EP-Verdünnung lang

Processing viscosity

gravity spray gun	Airmix/Airless
20 - 30 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	1,2 - 1,3	2 - 4	40 - 45 %
Airmix / Airless compound pressure	--	1,0 - 2,0 100 - 120	0,23 - 0,28	1	20 - 25 %
paint brush, roller*	--	--	--	--	5 - 10 %

Drying time

hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	20 °C	50 - 60 min	8 - 10 h	48 h	--	1 h
--	60 °C	--	--	60 min	--	--

When drying for more than 24 h intermediate sanding is necessary.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com

Note

Characteristics:

binder base:	epoxy resin
solids content (% by weight):	~ 64
solids content (% by volume):	~ 45
delivery viscosity DIN 53211 4 mm (in s):	70 - 80
density DIN EN ISO 2811 (kg/l):	~ 1,4
gloss level ISO 2813 at 60° (GU):	> 80 gloss

Properties:

Excellent resistance to chemical and mechanical strains
Highly abrasion resistant, adapted to fork lift traffic
Electrostatic application possible
Heat resistance:
- Short-term heat exposure: 180 °C
- Permanent heat exposure: 150 °C

Adhesion on steel, zinced substrates, aluminium, GRP and concrete

Theoretical spreading rate:

~ 43,9 m²/kg, 2:1 by weight with EP 950-25, for 10 µm dry film thickness.
~ 49,9 m²/l, 2:1 n. Gew. mit EP 950-25, 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:

< 445 g/l.**

Processing conditions:

From + 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation. Recommendation: at temperatures between + 10 and + 15 °C use EP 950-10, at temperatures above + 15 °C use EP 950-25.

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.

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.

GRP:
- Clean (remove completely any mould release agents), if necessary, sand slightly and degrease with Mipa Silikonentferner.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com

Proposed coating structure:

Single coat system
Steel, zinced substrates, aluminium and GRP:
EP 200-90 with 80 - 100 µm dry film thickness.

2-coat system
Steel, zinced substrates, aluminium, GRP:
Priming coat: ***EP 100-20 with 50 - 70 µm dry film thickness or with 25 - 30 µm dry film thickness on aluminum.
Finishing coat: EP 200-90 with 50 - 60 µm dry film thickness.

Special notes:

*Suitable: Lacquer roller; unsuitable: Lambskin roller.

**This product has the following maximum VOC-values:
- Applied by brush/roller with 2K-EP-Härter EP 950-25: < 500 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.

In case of application by means of an Airmix/Airless device, it is recommended testing beforehand the equipment for its suitability.

Check colour prior to application.

If required we also offer cleaning agents that are suitable for 2-component mixing and dosing units. Please contact your technical adviser or our application technicians.

Cleaning of tools:

Clean tools immediately after use with Mipa EP-Verdünnung.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com