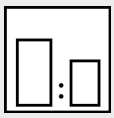
Intended use

Two-component medium-solid clearcoat based on high-quality acrylic resins with UV resistance and direct adhesion on bare ferrous and non-ferrous metals. The original appearance of the substrate is not changed.

Colour: Colourless.

Processing instructions



Mixing ratio

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
--	--	5 : 1



Hardener

Mipa MS 10, MS 25, MS 40



Pot life

Mit Härter MS 10 approx. 6 h at 20 °C

Mit Härter MS 40 approx. 8 h at 20 °C



Thinner

Mipa 2K-Verdünnung V 10, V 25, V 40



Processing viscosity

gravity spray gun	Airmix/Airless
18 - 20 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	10 - 15 %



Drying time

hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	20 °C	20 - 30 min	6 - 8 h	24 h	--	--
--	60 °C	--	30 - 40 min	1 - 2 h	--	--

Fully cured after 7 - 8 days (at 20 °C).

Note

Characteristics:

binder base:	polyurethane acrylic system
solids content (% by weight):	~ 51
solids content (% by volume):	~ 45
delivery viscosity DIN 53211 4 mm (in s):	75 - 85
density DIN EN ISO 2811 (kg/l):	~ 1,0
gloss level ISO 2813 at 60° (GU):	> 80 gloss

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.

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

Properties:	Highly UV- and weather-resistant Short-term heat exposure:150 °C Permanent heat exposure: 130 °C Adhesion on zinced steel substrates, aluminium, copper and brass
Theoretical spreading rate:	~ 50,0 m²/kg, 5:1 by volume with MS 25, for 10 µm dry film thickness. ~ 46,5 m²/l, 5:1 by volume with MS 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:	–
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 substrate.
Proposed coating structure:	1-coat system Zinced steel substrates, aluminium, copper and brass: 2K-Klarlack CA with 40 - 50 µm dry film thickness.
Special notes:	For porfessional use only. The reddish colour of the product disappears after application. Mipa 2K-Klarlack CA can be tinted with Mipa Brillant Design or Mipa 2K-PUR-Autolack OC (max. addition: 20 %). Mipa 2K-Klarlack CA cannot be used as a colourless protective coating on polished metals. In addition it is necessary to test preliminarily the adhesion on special metal substrates (e.g. very smooth and hard anodic coating) in order to assess if the product adheres directly without sanding. If required we also offer hardeners and 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 Nitroverdünnung.

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.

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