

Intended use

Mipa Neon are special fluorescent paints which are used in an efficient 2-layer application. The full luminosity is only achieved when using white Mipa 2K acrylic primers or fillers. Finishing with a clearcoat of Mipa 2K-HS-Klarlacke is essential for UV protection. In order to prevent premature fading, it is absolutely necessary to apply a film thickness of at least 100 µm of the basecoat. According to traffic regulations, fluorescent colours on vehicles may be subject to approval.

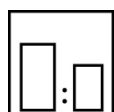
Spreading rate: 1,4 - 1,6 m²/l (100 µm DFT)

Processing instructions



Colour

RAL 1026, RAL 2005, RAL 3024, RAL 6038
as well as special colours



Mixing ratio

Hardener

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

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Hardener

for complete paintwork

for partial paintwork

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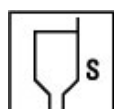
Pot life

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Thinner

50 % Mipa 2K-Verdünnung kurz V 10 or
Mipa Verdünnung BC



Spray viscosity

gravity spray gun

Airmix/Airless

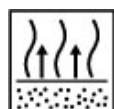
18 - 20 s 4 mm DIN

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Application mode

Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	Thinner
gravity spray gun (high pressure)	—	2 - 2,5	1,4 - 1,5	4 - 5	50
HVLP (low pressure)	—	2 - 2,2	1,4 - 1,5	4 - 5	50
HVLP / internal nozzle pressure	—	0,7	—	—	—



Flash-off time

10 - 15 min between coats

Dry coat thickness

min. 100 µm



Drying time

**object
temperature**

20 °C

dust dry

—

**set to
touch**

—

**ready for
assembly**

—

sandable

—

recoatable

30 - 60 min

Note

Storage: at least 3 years in original unopened container

VOC Regulation : EU limit value for this product (category B/e): 840 g/l
This product contains max. 699 g/l of VOC.

Processing conditions: from +10° C and up to 80 % relative air humidity. Ensure an adequate air ventilation.

Processing instructions:

In order to prevent premature fading, it is generally necessary to apply at least four coats of Mipa Neon (RAL 3024: 5 coats).

To increase the resistance, Mipa Neon should be applied with Mipa 2K-Härter H 10 or MS 10 in a mixing ratio of 10 : 1 by weight or by volume.

Adjust spray viscosity of this mixture by adding Mipa BC-Verdünnung or Mipa 2K-Verdünnung kurz V 10 in a mixing ratio of 2 : 1 by weight or volume.

When mixing with Mipa 2K-Härtern, observe a pot life of approx. 1 – 2 days.

Mipa Neon is not suitable to be filled in spray cans.

Recommended coating structure:

Substrate preparation:

The substrate must be clean, dry and free from grease.

Remove old paintworks and primers that have not cured or are not recoatable.

Steel substrates: pre-clean with Mipa Silikonentferner, then sand with grit P 120 and degrease subsequently with Mipa Silikonentferner.

Aluminium substrates: pre-clean with Mipa Silikonentferner then sand with grit P 220 and degrease subsequently with Mipa Silikonentferner.

Galvanised substrates (Zinc substrates (batch galvanising/ discontinuous hot-dip galvanizing): clean the surface with the ammonia solution Mipa Zinkreiniger

Galvanised substrates (strip galvanising / continuous hot-dip galvanising) and electrogalvanising: pre-clean with Mipa Silikonentferner, afterwards sand with P 220 and subsequently degrease with Mipa Silikonentferner.

Solid, intact old paintworks, factory paintworks, etc.: thoroughly clean (preferable with a steam jet), degrease and sand by hand or machine with sandpaper P 360/ 400.

Final cleaning with Mipa Silikonentferner or Mipa WBS-Reiniger.

Note: Mipa Epoxy primers are recommended as insulating primer for thermoplastic or not 2K-resistant old coatings.

Priming of bare metal surfaces:

When used on bare metal surfaces, prime first with Mipa adhesion promoters (e.g. Mipa Rapidprimer, Mipa Aktivprimer) or Mipa EP-Grundierfiller.

Smaller steel and iron surfaces up to the size of a palm can be directly coated with Mipa 4+1 Acrylfüller HS or Mipa 2K-HS-Grundfiller F 54 weiß.

Filler:

The surface to be painted must be coated evenly hiding and white with Mipa 4+1 Acrylfüller HS weiß or 2K-HS-Grundfiller F 54 weiß.

After drying, dry sand with P 600 - 800 or wet sand with P 800 / 1000, but do not sand through, as a uniform white filler layer is required!

Otherwise, non-white sanded-through areas will be clearly visible after overcoating with Mipa Neon, since neon colours do not have full hiding power due to the nature of the system.

If there are sanded-through areas, they must be recoated with Mipa 4+1 Acrylfüller HS weiß or 2K-HS-Grundfiller F 54 weiß and sanded.

Mipa Neon:

Apply Mipa Neon with at least 4 spraying passes. In case of RAL 3024, 5 layers are required.

To increase the resistance, Mipa Neon should be applied with Mipa 2K-Härter H 10 or MS 10 in a mixing ratio of 10 : 1 by weight or by volume. Adjust spray viscosity of this mixture by adding Mipa BC-Verdünnung or Mipa 2K-Verdünnung kurz V 10 in a mixing ratio of 2 : 1 by weight or volume.

When mixing with Mipa 2K-Härtern, observe a pot life of approx. 1 – 2 days.

Clearcoat:

Apply Mipa 2K-HS-Klarlack according to the technical data sheet.