

### Intended use

Universal colour concentrate for the production of one and two-layer phosphorescent coatings e.g. for safety-relevant objects, for marking or in the decorative field. Unlike fluorescent colours such as Pro Mix® Industry Neon, phosphorescent colours are longer luminescent.

Colour: green

Suitable Pro Mix® Industry binders:

2K-systems:

BC 200-30 + PU 912-25 (mixing ratio 10 : 1)

EP 200-90

PU 240-90 / PU 242-90 / PU 248-90 / PU 250-90 / PU 260-90

1K-systems:




AK 235-90 / AK 253-90 / AK 255-90

AY 210-90

Processing:

Shake Pro Mix® Industry Farbkonzentrat Phosphoric vigorously before use (1 minute with shaker). To create full shade colours, you have to add Pro Mix® Industry Farbkonzentrat Phosphoric to a suitable Pro Mix® Industry base in the same proportion as if you would add Pro Mix® Industry Farbkonzentraten. Immediately after adding Pro Mix® Industry Farbkonzentrat Phosphoric, homogenise the mixture by shaking, stirring or mixing (approx. 2 minutes in the shaker). The mixture prepared in this way should be used immediately. In case of a longer waiting time, we recommend stirring the mixture again before application.

### Processing instructions

	<b>Mixing ratio</b>					
	<b>hardener</b>	<b>by weight (lacquer : hardener)</b>	<b>by volume (lacquer : hardener)</b>			
	See basic product	--	--			
	<b>Hardener</b>					
	See basic product					
	<b>Pot life</b>					
	See basic product					
	<b>Thinner</b>					
	See basic product					
	<b>Processing viscosity</b>					
	See basic product					
	<b>gravity spray gun</b>		<b>Airmix/Airless</b>			
	--		--			
	<b>Application mode</b>					
	<b>application mode</b>	<b>hardener</b>	<b>pressure (bar)</b>	<b>nozzle (mm)</b>	<b>spray passes</b>	<b>dilution</b>
	See basic product	--	--	--	--	--

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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

	Drying time						
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
See basic product	--	--	--	--	--	--	--

### 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): ~ 1,2
  - gloss level ISO 2813 at 60° (GU): See basic product
- Properties:**
- Re-emits the absorbed light in the dark
  - UV-resistant depending on the binder
  - Heat-resistant depending on the binder
- Theoretical spreading rate :** See basic product
- 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:**
- See basic product
- Processing conditions:**
- See basic product
- Substrate preparation:**
- It is recommended to use a primer in white (e.g. RAL 9010). The suitable primer can be found in the respective technical data sheet of the Pro Mix® Industry binder in use.
- Proposed coating structure:** See basic product

**Special notes:**

For professional use only.

Darker substrate reduce the special effect.

In order to increase the luminescence, it is possible to apply several coats. However this extends the flash-off and drying times, and the adhesion of one-coat paints may deteriorate with increasing coat thickness.

For marking work on mineral substrates (e.g. floor coating), it can be applied to alkaline surfaces.

Protect the finished coating from acids.

In case of a 2-layer coating structure or to improve the resistance to chemical/mechanical stress (e.g. BC 200-30) overcoating with a clear finish is possible, but this may reduce the luminescence effect.

The use in combination with matt Pro Mix® Industry binders is also possible, but will reduce its luminescence.

With low film thicknesses, imperfections may occur due to the nature of the pigment. This can be evened out by applying higher film thicknesses or clearcoats.

In combination with AY 210-90 not suitable for use in spray cans.

The use of Pro Mix® Industry Farbkonzentrat Phosphoric in glossy Pro Mix® Industry bases reduces the gloss level of the Pro Mix® Industry base.

Phosphorescent colours are classified "transparent colours" and their colour effect depends on coat thickness. We therefore recommend comparing the colour during the application with an appropriate colour sample. Furthermore, the coating of single parts, which are assembled to form a large surface after the coating should be avoided.

**Cleaning of tools:**

Clean Tools immediately after use with Mipa Nitroverdünnung.