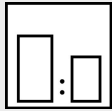


**Intended use**

Waterborne 2K polyurethane texture paint for industrial coating of vehicles, machines, components, constructions, steel lockers and tools. For interior and exterior use.

**Processing instructions****Mixing ratio****hardener**

WPU 9400-25

**by weight (lacquer : hardener)**

5 : 1

**by volume (lacquer : hardener)**

4 : 1

**Hardener**

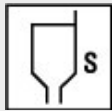
Mipa WPU 9400-25 WBS 2K PUR Hardener

**Pot life**

3 h at 20 °C\*

**Thinner**

Mipa WBS VE-Wasser

**Processing viscosity**

Always stir first into the hardener in the paint and then thin by adding Mipa WBS VE-Wasser. Never mix water with the hardener.

**gravity spray gun**

thixotropic

**Airmix/Airless**

thixotropic

**Application mode****application mode****hardener****pressure  
(bar)****nozzle  
(mm)****spray  
passes****dilution**gravity spray gun/  
HVLP

--

2,0 - 2,5

1,8 - 3,0

2

10 - 15 %

paint pressure gun  
compound pressure

--

2,0 - 2,5  
0,5 - 0,8

1,8 - 2,5

1 - 2

10 - 15 %

Airmix / Airless  
compound pressure

--

1,0 - 2,0  
100 - 120

0,23 - 0,33

1

5 - 10 %

paint brush, roller

--

--

--

--

0 - 5 %

**Drying time****hardener****object  
temperature****dust dry****set to  
touch****ready for  
assembly****sandable****recoatable**

--

20 °C

50 - 60 min

6 - 7 h

24 h

--

--

--

60 °C

--

45 min

45 min

--

--

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

---

**Note**

---

<b>Characteristics:</b>	binder base: polyurethane polyester system solids content (% by weight): ~ 59 solids content (% by volume): ~ 41 delivery viscosity DIN 53211 4 mm (in s): thixotropic density DIN EN ISO 2811 (kg/l): ~ 1,5 gloss level ISO 2813 at 60° (GU): satin gloss**
<b>Properties:</b>	Highly resistant to water Highly UV- and weather-resistant Highly resistant to chemicals and solvents Scratch-resistant Free from silicone Heat resistance: - Short-term heat exposure: 180 °C - Permanent heat exposure: 150 °C Registered according to MAN standard (M 3094-3)
<b>Theoretical spreading rate:</b>	~ 35,4 m²/kg for a 10 µm dry film thickness. ~ 42,4 m²/l for a 10 µm dry film thickness.
<b>Storage:</b>	For at least 1 year 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.
<b>VOC:</b>	< 40 g/l.
<b>Processing conditions:</b>	From + 10 °C and up to 70 % relative humidity. Ensure adequate air ventilation.
<b>Substrate preparation:</b>	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.  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.
<b>Proposed coating structure:</b>	Steel, zincd substrates: Priming coat: ***WEP 1000-20 with 60 - 80 µm dry film thickness. Finishing coat : WPU 3000-70 with 50 - 60 µm dry film thickness.  Aluminium: Priming coat: ***WEP 1000-20 mit 25 - 30 µm dry film thickness. Finishing coat: WPU 3000-70 mit 50 - 60 µm dry film thickness.

Version: en 13/0725

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

**Special notes:**

\*Attention: The end of pot life does not manifest itself by viscosity increase. Exceeding the pot life results in a lower resistance to mechanical and chemical strains, in a reduction of gloss and in a higher tendency to bubbling.

\*\*Due to the special surface, a measurement according to DIN EN ISO 2813 is inappropriate!

\*\*\*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.

Paints that have been tinted with aluminium pastes must be protected from heat. Store at max. 35 °C. Failure to take this into account may lead to an internal pressure build-up.

Drying times reduce with increasing air velocity and degreasing relative humidity. When drying with air guns, the drying time can be reduced considerably. Optimum processing conditions: air temperature 20 - 25 °C, object temperature > 15 °C, relative air humidity 40 - 60 %, air velocity > 0,4 m/s.

Check colour shade prior to application.

Especially UV-resistant pigmentations (e.g. pastel shades for facades) are available on demand.

**Cleaning of tools:**

Clean tools immediately after use with Mipa WBS-Pistolenreiniger.

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.