

PAINTNUTS

HOME



TECHNICAL DATA SHEET

WATER-BASED MULTI-SURFACE PAINT SATIN

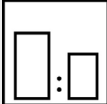
PAINTNUTS

HOME

Intended use

PaintNuts Water-Based Multi-Surface Paint is a versatile and durable coating designed for both interior and exterior use. Suitable for use on wood, metal, plastic and masonry. It's a hard-wearing, robust paint that's both weather and UV resistant, making it ideal for painting various outdoor surfaces. With low VOC content thanks to its water-based formulation, it's also well suited and safe for use in and around the home or other indoor locations. Choose from over 1,000 colours, each available in either satin or gloss finish - you're free to choose the exact shade that's right for your space. Set-to-touch in 40-45 minutes with no primer required, it's easy and convenient to use. Long term heat resistance up to 120°C means it's even suitable for use on radiators and other high temperature surfaces.

Processing instructions

	Mixing ratio		
	hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
	—	—	—

	Hardener
	—

	Pot life
	—

	Thinner
	Mipa WBS VE-Wasser

	Processing viscosity	
	gravity spray gun	Airmix/Airless
	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 - 3	5 - 10 %
	brushing, rolling	—	—	—	—	0 - 5 %

	Drying time						
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
	—	20 °C	20 - 30 min	40 - 45 min	24 h	—	1 h

Fully cured after 5 - 6 days (at 20 °C).

Note

Characteristics:

binder base:	PU-modified alkyd resin emulsion
solids content (% by weight):	~ 54
solids content (% by volume):	~ 37
delivery viscosity DIN 53211 4 mm (in s):	thixotropic
density DIN EN ISO 2811 (kg/l):	~ 1,4
gloss level ISO 2813 at 60° (GU):	20 - 30 satin matt

Version: en 9/0525

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

PAINTNUTS

HOME

Properties:

Weather resistant as per VOB part C, DIN 18 363
Free from cobalt and butanonoxim
Waterborne, low odour, firm adhesion
Highly UV- and weather-resistant
No blocking, lightfast, breathable
Resistant to fuels and diesel if exposed temporarily
Water-repellent, non-saponifiable, excellent flow
Heat resistance:
- Short-term heat exposure: 140 °C
- Permanent heat exposure: 120 °C

Theoretical spreading rate:

~ 31,3 m²/kg for 10 µm dry film thickness.
~ 36,9 m²/l for 10 µm dry film thickness.

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:

< 80 g/l.

Processing conditions:

From + 10 °C and up to 70 % 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.

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.

Zncoated 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.

Wood (wood moisture max. 15 %):

- Pre-sand with grit P 180 - P 280 and remove dust thoroughly.

Proposed coating structure: Steel, zinc-coated substrates:

Priming coat: *WAY 1000-20 with 50 - 60 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

Aluminium:

Priming coat: *WAY 1000-20 with 25 - 30 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

Wood for exterior use:

Impregnation: WBS Holzschutzgrund.
Priming coat: *WAY 1000-20 with 25 - 30 µm dry film thickness.
Finishing coat: WAK 2500-30 with 50 - 60 µm dry film thickness.

Version: en 9/0525

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

PAINTNUTS

HOME

Special notes:

*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.

When alkyd resin (based) products are stored, a skin can form on the surface of the paint due to the system. This generally has no negative effects on the quality (material testing is recommended!).

If a skin has formed, it must be carefully removed before stirring (before tinting for bases) and the product must be sieved as required before application.

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.

Cleaning of tools:

Clean tools immediately after use with Mipa WBS-Pistolenreiniger.

Version: en 9/0525

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