

Technical data sheet

Product description

Operational sector : Moisture-regulating, waterborne polyurethane-grafted acrylic paint for interior and exterior use. Mipa WBS PU-Weißlack allows high film build even on edges and ensures best weather protection. It is the perfect priming, intermediate and final coating for dimensionally stable wooden construction parts such as windows and doors. Also suitable for application on primed metallic substrates as well as for well adherent old layers of paint based on dispersions or synthetic resins.

Properties :

- weather-resistant as per **VOB part C, DIN 18 363**
- no blocking, lightfast, moisture-regulating
- water-repellent, non-saponifiable, excellent flow
- waterborne, low in odour, reliable adhesion, permanently elastic
- complies with the requirements according to EN 71-3 (Migration of certain elements) and to DIN 53 160 (colourfastness to saliva and sweat)
- free from fragrances and plasticizers according to 2009/48/EC (Toy Safety Directive)

Content according to VdL Directive 01: Polyurethane acrylate dispersion, titanium dioxide, water, glycols, additives, preservatives
(Association of German paint industry)

Colour : white

Specification :

gloss level:	satin mat	DIN 67 530
specific weight:	1,3-1,4 g/cm ³	DIN 51 757
viscosity:	thixotropic	DIN 53 019
pH value:	approx. 8	DIN 53 785

Storage : Storable at least 2 years in tightly closed original container. Keep it in dry and frost-free stores at a temperature between +5°C and maximum +30°C.

VOC-regulation : EU limiting value for this product (cat. A/d): 130 g/l.
This product contains maximum 100 g/l of VOC.

Application

Processing conditions: Do not apply at a substrate and ambient temperature below 5°C and above 35°C or if exposed to direct sunlight or high wind. Relative air humidity: max. 75%

Substrate pre-treatment: The substrate must be clean, dry, solid, free from dust, oil, grease, wax and corrosion products. Remove completely old damaged paintworks. Sand slightly well adherent old paint layers and free from dust. To coat products that have been treated with tar or bitumen, we recommend using black or very dark coatings.

Old wood : Weathered wood surfaces should be ground down to the sound wood. Afterwards follow the instructions as mentioned for new timber.

New wood/ wood-based materials : Remove exuded resins and pitch pockets. Maximum moisture content for softwood is 15% and for hardwood 12%. First, prime new timber in exterior use with Mipa WBS Holzschutzgrund Premium. To prevent brownish sapstain on woods that are rich in active substances (or impregnated) when painted in lighter shades, insulate by applying an intermediate coat with Mipa WBS Isoliergrund.

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.

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Metal substrates :	First coat with Mipa WBS Allgrund (adhesion on steel, iron, zinc and aluminium). Recoat with Mipa WBS PU-Weißlack after approx. 4 hours.												
Rigid PVC:	Remove completely any mould release agents (in case of new plastic parts), clean and sand slightly.												
Application :	<p>Stir well before use!</p> <p>By brush and roller Thin up to 10 % with water in case of absorbent substrates and higher temperatures.</p> <table border="0"> <tr> <td>By spraying (Airless/Airmix)</td> <td>spraying (air)</td> </tr> <tr> <td>pressure: 180 bar</td> <td>3 - 4 bar</td> </tr> <tr> <td>spraying angle: 50° (depends on the surface sizes)</td> <td></td> </tr> <tr> <td>nozzle: 0,13 mm</td> <td>1,8 mm</td> </tr> <tr> <td>viscosity: undiluted</td> <td>120 s 4 mm DIN</td> </tr> <tr> <td>number of coats: 2</td> <td>2</td> </tr> </table> <p>between the coats: 10 min flash-off time</p>	By spraying (Airless/Airmix)	spraying (air)	pressure: 180 bar	3 - 4 bar	spraying angle: 50° (depends on the surface sizes)		nozzle: 0,13 mm	1,8 mm	viscosity: undiluted	120 s 4 mm DIN	number of coats: 2	2
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Drying time :	<p>Allow flash-off time of 10-15 minutes before drying at higher temperature. The drying depends strongly on film thickness, temperature and relative humidity.</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">20 °C</td> <td style="text-align: center;">60 °C</td> </tr> <tr> <td>dust dry</td> <td>approx. 50 min</td> <td>approx. 20 min</td> </tr> <tr> <td>set to touch</td> <td>approx. 1.5 h</td> <td>approx. 45 min</td> </tr> <tr> <td>tack free</td> <td>approx. 4 h</td> <td>approx. 1 ½ h after cooling</td> </tr> </table>		20 °C	60 °C	dust dry	approx. 50 min	approx. 20 min	set to touch	approx. 1.5 h	approx. 45 min	tack free	approx. 4 h	approx. 1 ½ h after cooling
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Spreading rate :	Depending on the substrate and application mode: approx. 8-10 m ² /l per operation.												

Special notes

Please consider that Mipa WBS PU-Weißlack does not show resistance to plasticizers. Regular professional maintenance is decisive for the utility value and the durability of coated wood components. Information on this and the required maintenance intervals can be found in BFS leaflet No. 18 of Bundesausschusses Farbe und Sachwertschutz, annexe C. For airless application stir well and strain the paint.

Safety advices

Mipa WBS PU-Weißlack is slightly alkaline. Protect eyes and sensitive skin against paint splashes. Wash away colour traces immediately with sufficient clear water. Consider general hygienic rules. In addition, waterborne paints should be kept out of reach of children.

Cleaning of tools

Clean tools immediately after use with water. Remove overspray immediately with water. Remove dried films with stripping agent.

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