

Product description

Operational Sector :	Waterborne universal satin paint based on pure acrylate dispersion for exterior and interior use, by normal local conditions. It is an excellent choice for high quality finishes for dimensional stability and non dimensional stability wood such as roof framework, walls, garden houses, fences, doors and windows. To be also applied on primed ferrous and steel substrates, for zinc or hard PVC gutters and rain grooves, for aluminium and mineral supports such as concrete or mason, as well as firm adhering old layers of paint based on dispersion or synthetic resins.		
Specification :	Gloss degree:	satin dull	DIN 67 530
	Spec. gravity:	1.3 - 1.5 g/cm ³	DIN 51 757
	Viscosity:	approx. 70 dPas	DIN 53 019
	pH value:	approx 8.0	DIN 53 785
Content as per VDL directive 01:	Pure acrylate dispersion, titan dioxide, water, silicate fillers, glykols, additives, preservatives		
Colour availability :	To Colour Register (Mipa Decorative Products)		
Features :	<ul style="list-style-type: none"> - weather fastness as per VOB part C, DIN 18 363, light-fast - water repellent, active breathing, permanent elastic - hiding power class 1 DIN EN 13300 - wet abrasion resistance class 1 DIN EN 13300 		
Storage :	At least 2 years, if the tightly closed original packages are kept dry, protected against frost. Storage temperature: from + 5 °C till maximum + 30 °C.		
VOC content :	EU limiting value for the product (cat. A/d): 130 g/l This product contains max. 10 g/l VOC [1.07 lbs/gal]		

Application

Processing conditions :	Do not apply below + 5 °C and more than + 35 °C temperature of the object or the environment. Avoid direct sunlight and strong wind. Up to max. 75 % air relative humidity.
Substrate preparation:	The substrate has to be clean, dry, load-carrying and free of dust, oil, grease, wax and corrosive products. Remove damaged, not adhesive old layers of paint. Ensure the existing coating is in good condition and firmly adhering. Abrade thoroughly and clean.
Fresh timber / wood :	Remove timber sap-stain and resin gall. Maximal moisture content 15 % by softwood, 12 % by hardwood. For exterior use, apply first a groundcoat with Mipa WBS Holzschutzgrund Premium. Recover with Mipa WBS Protect Plus not earlier than 6 hours.
Old wood :	sand (remove completely damaged old layers of paint), isolate bare wood areas with Mipa WBS Holzschutzgrund Premium.

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.

Metal :	<p>Iron, steel: to give good corrosion resistance, apply a groundcoat with Mipa WBS Primer or Mipa WBS Allgrund. Recover not earlier than 4 hours with Mipa WBS Protect Plus.</p> <p>Aluminium: degrease and sand</p> <p>Zinc: clean with ammonia alkaline wetting agent (Mipa Zinkreiniger)</p>												
Hard PVC :	Remove the existing separation agents (by new plastic parts), clean and sand gently												
Mineral substrates :	Insulate the strong absorbent or damaged substrates with Mipa Tiefgrund LF. Apply an intermediate coat with Mipa WBS Protect Plus thinned up to 10 % with water. Top coat with Mipa WBS Protect Plus unthinned.												
Application process :	<p>Upon application good agitation is recommended.</p> <p>Brushing and rolling: dilute up to 10 % with water in case of strong absorbent substrates or by higher temperature.</p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;">Spraying (Airless/Airmix):</td> <td style="vertical-align: top;">Spray gun:</td> </tr> <tr> <td>Pressure: 180 bar</td> <td>3 - 4 bar</td> </tr> <tr> <td>Nozzle: 0,43 - 0,53 mm</td> <td>1,8 - 2,5 mm</td> </tr> <tr> <td>Viscosity: thix.</td> <td>40 - 50 s 4 mm DIN</td> </tr> <tr> <td>Dilution: unthinned</td> <td>10 - 20 %</td> </tr> <tr> <td>Spraying operations: 1 - 2</td> <td>2</td> </tr> </table> <p>Flush off time between the spraying operations: 10 min.</p>	Spraying (Airless/Airmix):	Spray gun:	Pressure: 180 bar	3 - 4 bar	Nozzle: 0,43 - 0,53 mm	1,8 - 2,5 mm	Viscosity: thix.	40 - 50 s 4 mm DIN	Dilution: unthinned	10 - 20 %	Spraying operations: 1 - 2	2
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Drying times :	<p>By force drying allow 10 - 15 min. flush off time. Prolonged drying time after treatment due to high humidity conditions, coat thickness or low temperature.</p> <table border="0" style="width: 100%;"> <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 style="text-align: center;">40 min.</td> <td style="text-align: center;">15 min.</td> </tr> <tr> <td>dry to touch</td> <td style="text-align: center;">1 h</td> <td style="text-align: center;">30 min.</td> </tr> <tr> <td>tack free:</td> <td style="text-align: center;">> 4 h</td> <td style="text-align: center;">1 ½ h after cooling</td> </tr> </table>		20° C	60° C	dust dry	40 min.	15 min.	dry to touch	1 h	30 min.	tack free:	> 4 h	1 ½ h after cooling
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Theoret. Spreading Rate :	approx. 7 m ² / l depending on the substrate and the application												

Special Recommendations

Regular and professional maintenance is essential for the serviceability and the durability of the treated wood construction elements. Further instructions as well as the required maintenance schedule are given in BFS Merkblatt Nr. 18 des Bundesausschusses Farbe und Sachwertschutz, Appendix C. Stir well and strain before Airless application.

Cleaning of tools

Tools should be cleaned immediately after use with water. Spraying dust should be cleaned immediately with water. Dried films can be removed with a paint remover (Mipa Abbeizfluid).

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