



TECHNICAL DATA SHEET

30123 AQUAVISION PU-BUNTLACK MATT

AREA OF APPLICATION

AquaVision PU-Buntlack Matt is a high-quality paint for coating work in interiors. AquaVision PU-Buntlack Matt achieves surfaces with good flow properties. For outside use, we recommend using SÜDWEST AquaVision Holzfarbe or AquaVision Mult-Venti.

PROPERTIES

- Low-odour
- Easy application
- Very good non-sag properties
- Excellent flow properties
- Excellent hiding power
- Rapid drying
- high resistance to yellowing
- Excellent mechanical resistance
- Block resistant

ALL-COLOR FACTORY TINTING: bright colour shades as desired, e.g. RAL, NCS, or others.

CONTAINER: 750 ml, 2.5 l

COVERAGE: approx. 80 – 100 ml/m²

GLOSS LEVEL: matt

Measured values for tinting bases:

Measurement angle 60°: approx. 5 - 10 GU

Measurement angle 85°: approx. 10 - 20 GU

The gloss level can be influenced by adding tinting concentrates.

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GENERAL RULES:

The substrate must be prepared and the coating work performed in accordance with the state of the art.

All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to.

Please also observe the current BFS data sheets, published by the German Federal Committee for Paints and the Protection of Objects. Also see German construction contract procedures (VOB), Part C, DIN 18363, Paragraph 3 "Painting and coating work".

Treating/removing layers of paint by sanding, welding, burning off, etc. can cause harmful dust and/or vapours. Only carry out work in well-ventilated areas. Use appropriate breathing apparatus/protective equipment, if necessary.

All substrates must be clean, dry, load-bearing, and free from release agents. Substrates must be checked in terms of their load-bearing capacity and suitability for subsequent coatings. If necessary, create a test surface and test the adhesion by means of a cross cut and/or mesh tape tear-off. For coating build-ups, carry out intermediate sanding in between the individual coatings.

SUBSTRATE

Existing load-bearing coatings, primed substrates such as metals and plastics.

SUBSTRATE PREPARATION:

EXISTING LOAD-BEARING COATINGS:

Check for a firm hold. Completely remove existing non-load bearing coatings and build up again according to the substrate. Clean and thoroughly sand existing load-bearing coatings; prime any defects with SÜDWEST AquaVision All-Grund.

NEW WOOD OR ENGINEERED WOOD, INTERIOR:

If necessary, prime with SÜDWEST KATIOTECH Isolier-Grund and fill the entire surface as applicable.

IRON AND STEEL, INTERIOR:

Carefully derust, degrease, and prime with SÜDWEST AquaVision All-Grund.

ZINC AND HARD PLASTICS:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger and prime with SÜDWEST AquaVision All-Grund.

ALUMINIUM (NON-ANODISED) AND COPPER:

Clean with SÜDWEST Kupfer- und Alu-Reiniger and prime with SÜDWEST AquaVision All-Grund.

PRIMED SUBSTRATES:

In order to achieve particularly high-quality surfaces, we recommend applying an intermediate paint coat with SÜDWEST AquaVision PU-Vorlack.

APPLICATION

Stir well and apply with a brush, with a roller, or by spraying. Only use tools that do not rust. Where possible, apply the priming coat to wood surfaces by brush. Apply undiluted.

APPLICATION CONDITIONS:

Temperature and humidity influence the drying process and flow of water-based coating materials. Ideal application temperature 10 – 25 °C (approx. 60 % rel. humidity). The drying process is delayed by low temperatures and high humidity. Do not apply in conditions under + 5°C. High temperatures and very low humidity shorten the cure time.

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure/ quantity	Air pressure	Thinning
High pressure	2.0 mm	-	2.0 bar	Approx. 10–15 %
Low pressure	Medium	Approx. 3/4	max.	Approx. 5–10 %
Airless (20 °C)	0.008" – 0.012"	120–150 bar	-	Undiluted
Airless temp. (60 °C)	0.008" – 0.012"	100–120 bar	-	Undiluted
Airmix	0.008" – 0.012"	100–120 bar	1.0–2.0 bar	Undiluted

Adding a large amount of water reduces the dry-layer thickness, hiding power, and fullness.

TOOL RECOMMENDATION:

For application by brush, we recommend using paint brushes with plastic fibre bristles. Foam rollers are suitable for rolling on small surfaces. On larger surfaces, apply the material with a microfibre paint roller, then go over immediately with a fine foam roller.

DILUTION:

Dilute with water if necessary.

TOOL CLEANING:

Clean with water after use. Collect the cleaning/rinsing water and dispose of it properly.

DRYING

(At 20 °C / 60 % rel. humidity, 100 µm wet-layer thickness).

Dust-dry and tack-free: approx. 1 h

Over-coatable: approx. 6 h

Higher layer thicknesses and/or lower temperatures delay the drying times.

Note:

After 16 hours, AquaVision PU-Buntlack Matt can be sanded manually with an interface pad. Before sanding larger surfaces by machine, we recommend a drying time of approx. 36 hours.

SPECIAL INFORMATION

Do not use on horizontal surfaces with water loading. High levels of humidity, low temperatures, and low levels of air exchange extend the drying times.

EC DIRECTIVE 2004/42/EC:

The AquaVision PU-Buntlack Matt product falls below the maximum VOC value of product category d (130 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Acrylate dispersions, acrylate PU dispersions, (mineral and/or organic pigments depending on the colour), mineral white pigments, water, glycols, alcohol esters, antifoam agents, wetting agents, polyurethane thickeners, neutralising agents, amorphous silicic acids, boundary-layer additives, storage protection based on chloromethylisothiazolinones, methylisothiazolinones, and benzisothiazolinones.

GISCODE BSW30

GENERAL SAFETY ADVICE

Good ventilation must be ensured while paints and varnishes are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact with skin and eyes. Do not breathe in dust during sanding work. Keep out of reach of children. Do not allow to enter ground water, bodies of water, or the sewer system in undiluted or large quantities. Further information and the current SDS are available at www.suedwest.de

STORAGE

Close opened containers so that they are airtight after use. Store in cool but frost-free conditions.

DISPOSAL

Only recycle empty containers. Only return empty containers for recycling. Dispose of containers with residues at the responsible hazardous waste centre. Dispose of dried paint brushes and rollers with residual waste. Do not dispose of paint or rinse painting tools in sinks or drains.

TECHNICAL CONSULTATION

Our sales representatives will be happy to answer any questions which have not been covered by this Technical Data Sheet. Our technical customer service team at the factory is also available to answer any detailed queries you may have. (06324/709-0).

DISCLAIMER

We are committed to taking the utmost care. However, we are only able to provide general information based on our own experiences, developments, and investigations, and these naturally cannot take the individual conditions of a project (substrates, weather conditions, other conditions) into account. The applicator is therefore obliged to maintain their knowledge in accordance with the state of the art and act responsibly. Our employees are available to provide specific advice and will be happy to do so. We accept no responsibility for the use of the product in combination with other products. The data provided in this Technical Data Sheet does not constitute binding information or liability. Furthermore, suspension or the appearance of a subsequent edition will invalidate this Technical Data Sheet; information about this can be accessed at any time on our website: www.suedwest.de.

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