



TECHNICAL DATA SHEET

30770 AQUAVISION PU-BUNTLACK SATIN

AREA OF APPLICATION

AquaVision PU-Buntlack Satin is a high-quality paint for coating work in interiors and exteriors. AquaVision PU-Buntlack Satin achieves surfaces with good flow properties and high durability. When used on exterior surfaces exposed to weathering, there is a risk that the wetting agents will wash out, which may affect the appearance of the surface (see Special information). We recommend using SÜDWEST AquaVision Multi-Venti on such surfaces. A test report in accordance with the DIN EN 71-3 inspection standard (European toy safety standard) is available.

PROPERTIES

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

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

CONTAINER: 375 ml, 750 ml, 2.5 l

COVERAGE: approx. 80–100 ml/m²

GLOSS LEVEL: mid sheen

Measured values sound bases:

Measuring angle 60°: approx. 15-30 GU

Measuring angle 85°: approx. 35-50 GU

The gloss level can be influenced by adding tinting concentrates.

AREA OF APPLICATION

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.

Sand grey and weathered wooden areas down to the load-bearing substrate. Clean and sand existing load-bearing paint coats. Round off sharp wooden edges. Ensure adequate drainage inclinations on horizontal surfaces. The moisture content for hardwood should be max. 12 % and for softwood max. 15 %. The drier the substrate, the greater the depth of penetration, improving the protective function and service life of subsequent paint coats.

Wash tropical woods with constituents that delay the drying time with a cellulose thinner and apply a test coat.

SUBSTRATE

Existing load-bearing coatings, dimensionally stable wooden components, 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, EXTERIOR:

Proof with SÜDWEST AquaVision Holz-Imprägnier-Grund WV and leave to dry for at least 24 hours. For exterior wood, we recommend using SÜDWEST AquaVision Holzfarbe or SÜDWEST AquaVision Multi-Venti for the intermediate and finishing coat.

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. Prime with (solvent-containing) SÜDWEST All-Grund in exterior areas.

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 m	-	2.0 bar	Approx. 5–10 %
Low pressure	Medium	Approx. 1/4	max.	Approx. 5–10 %
Airless (20 °C)	0.008 – 0.012"	150–180 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.

THINNING:

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, SÜDWEST AquaVision PU-Buntlack Satin can be sanded manually with a sanding 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. Depending on the weather, it can take between a few days and several weeks for SÜDWEST AquaVision PU-Buntlack Satin to fully dry out. Always ensure that suitable protective measures (e.g. protection against rain) are taken for the work in progress during unfavourable weather conditions. If water such as condensation, fog, or rain comes into contact with coatings that are not fully dry, processing aids may be released from the coating and build up on the surface. Whether the effect is strongly visible or not depends on the intensity of the colour shade. The effect reduces with weathering over time.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26

Class: A, group: 1–3 depending on the colour shade

EC DIRECTIVE 2004/42/EC:

The AquaVision PU-Buntlack Satin 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 BSW20

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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