

TECHNICAL DATA SHEET

30880 AQUAVISION MULTI-VENTI



AREA OF APPLICATION

AquaVision Multi-Venti is a universal, silk gloss one-pot system for timber and other substrates in exterior areas. AquaVision Multi-Venti is equipped with a fungicidal and algicidal active ingredient and therefore must not be used in interiors (exception: inside of windows).

PROPERTIES

- Very good adhesion
- Low-odour
- simple application
- Rapid drying and overcoating
- Very good non-sag properties with reliable edge coverage
- Good hiding power
- High colour retention
- Low tendency to yellowing
- Very easy to clean
- Block resistant
- High elasticity
- With film protection against mould and algae

COLOUR SHADE: 9110 white

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

CONTAINER: 750 ml, 2.5 l

COVERAGE: approx. 100 – 120 ml/m²

GLOSS LEVEL: mid sheen (40 – 60 GU at 85°)

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.

For exterior applications, it is recommended to pretreat untreated or exposed timbers that are susceptible to fungus with SÜDWEST Holz-Imprägnier-Grund LH or SÜDWEST AquaVision Holz-

Imprägnier-Grund WV. Observe Technical Data Sheet, DIN 68800 Part 3, and BFS data sheet 18.

SUBSTRATE

The substrate must be firm, dry, clean, load-bearing, and free from substances that could interfere with adhesion.

SUITABLE SUBSTRATES:

Dimensionally stable timber, semi-dimensionally-stable timber, existing load-bearing coatings, aluminium, zinc, hard plastics, coil coatings, and other substrates following a test coat. Also suitable for coating iron and steel following priming.

SUBSTRATE PREPARATION:

NEW WOOD, EXTERIOR:

Sand and clean timber surfaces in grain direction. Proof with SÜDWEST AquaVision Holz-Imprägnier-Grund WV and leave to dry for at least 24 hours. Priming coat, intermediate coat, and finishing coat with AquaVision Multi-Venti. For timber with penetrating wood constituents, e.g. knotty timber, we recommend applying the priming coat with SÜDWEST KATIOTECH Isolier-Grund.

EXISTING LOAD-BEARING COATINGS:

Check for a firm hold. Completely remove existing non-load bearing coatings and build up again according to the substrate. Thoroughly clean and sand existing load-bearing coatings.

ZINC AND GALVANISED SUBSTRATES:

Clean with the SÜDWEST Zink- und Kunststoff-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 5.

ALUMINIUM (NON-ANODISED): Clean with the SÜDWEST Kupfer- und Alu-

Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 6.

HARD PLASTICS, E.G. RIGID PVC: Clean with the SÜDWEST Zink- und Kunststoff-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 22.

COIL COATINGS:

Clean with ammoniac wetting agent. Not all coil coatings can be coated (e.g. those containing silicone). Always create a test surface and test the adhesion by means of a cross cut and/or mesh tape tear-off.

IRON AND STEEL

Derust iron and steel thoroughly. Remove any mill scale. Blast highly contaminated steel surfaces to standard preparation grade SA 2 ½ in accordance with DIN EN ISO 12944-4. Prime twice with (solvent-containing) SÜDWEST All-Grund.

APPLICATION

Stir well and apply with a brush or with a roller. Only use tools that do not rust. Dilute the priming coat by max. 5 % and, where possible, apply to absorbent substrates by brush. Apply undiluted for the intermediate and top paint coat.

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	5 – 10 %
Low pressure	Medium	Approx. ¾	max.	5 – 10 %
Airless	0.008" – 0.012"	160–190 bar	-	Undiluted
Airless temp. (55 °C)	0.008" – 0.012"	130–160 bar	-	Undiluted
Airmix	0.008" – 0.012"	120–160 bar	1.0–2.0 bar	Undiluted

TOOL RECOMMENDATION:

For application by brush, we recommend using paint brushes with plastic fibre bristles. For rolling, apply the material with a microfibre paint roller; then go over with a fine foam roller.

THINNING AGENT/

If necessary, dilute with a maximum of 10% water. Adding water will reduce the dry film thickness, hiding power and fullness.

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. 3 – 4 h

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

Note:

After 16 hours, AquaVision Multi-Venti can be sanded manually with an interface pad.

EC DIRECTIVE 2004/42/EC:

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

BIOCIDAL PRODUCTS REGULATION (528/2012):

Contains biocidal active ingredients in accordance with Biocidal Products Regulation 528/2012 Art. 58(3): 3-iodo-2-propynyl butyl carbamate, 2-octyl-2H-isothiazol-3-one

VDL (GERMAN PAINT AND PRINTING INK ASSOCIATION) DECLARATION:

Alkyd emulsions, polyacrylates, mineral white pigments (mineral and/or organic pigments, depending on the colour shade), mineral fillers, water, glycols, alcohol esters, boundary-layer additives, film forming agents, antifoaming agents, wetting agents, polyurethane thickeners, film protection based on octylisothiazolinones and iodine propynyl butyl

carbamate, protection of the product during storage based on chloromethylisothiazolinones, methylisothiazolinones, and benzisothiazolinones

GISCODE BSW50

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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