



TECHNICAL DATA SHEET

30565 AQUAVISION ALL-GRUND

AREA OF APPLICATION

Interior and exterior. A rapid adhesion promoter and primer for existing coatings, timber, zinc, aluminium, iron and steel (interior only), copper and rigid plastics prior to subsequent coating with water-based lacquers or alkyd resin lacquers.

PROPERTIES

- Rapid drying
- Low-odour
- Stain-blocking effect against many water-soluble wood constituents and substrate discolouration
- Water-based
- Excellent adhesive bond
- Block resistant
- Rust-inhibiting
- Very suitable for sanding
- Can be over-painted including with alkyd resin lacquers
- Heat-resistant up to max. +100°C
- Alkali-resistant

COLOUR SHADE: 9110 white, 7001 grey, 9105 black

ALL-COLOR FACTORY TINTING: pastel colour shades on request.

CONTAINER: 375 ml*, 750 ml, 2.5 l, 10 l*

The 375 ml container and the 10 l container are only available in the colour shade 9110 white.

COVERAGE: approx. 80 – 100 ml/m² per coating

GLOSS LEVEL: matt (> 10 GU at 60°)

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

SUBSTRATE PREPARATION: EXISTING 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 load-bearing existing coatings.

IRON AND STEEL:

Derust and degrease thoroughly. Remove mill scale and other contamination by sanding or blasting. In exposed outdoor areas or on surfaces where rust has been removed by hand, use SÜDWEST All-Grund solvent-based rust remover.

ZINC:

Clean hot-dipped continuously galvanised building elements, electro galvanised substrates, and zinc-sprayed substrates with SÜDWEST Zink- und Kunststoff-Reiniger, according to BFS data sheet no. 5.

PURE ALUMINIUM INTERIOR:

Clean pure aluminium, aluminium wrought alloy, and cast aluminum with SÜDWEST Kupfer- und Alu-Reiniger.

COPPER:

Clean with SÜDWEST Kupfer- und Alu-Reiniger.

PLASTICS:

Treat rigid PVC, PUR, polyester, acrylic glass, and melamine resin coatings (Resopal laminate) with SÜDWEST Zink- und Kunststoff-Reiniger and nonwoven abrasive.

TIMBER AND ENGINEERED WOOD:

Proof exterior timber that is sensitive to fungus with SÜDWEST AquaVision Holz-Imprägnier-Grund WV and leave to dry for 1 day. We recommend SÜDWEST AquaVision Multi-Venti for coating timber windows. We recommend the use of SÜDWEST KATIOTECH Isolier-Grund for timber that is to be over-coated with white or light finishing coats.

APPLICATION

Apply 1 – 2 coats undiluted by painting, by roller, or by spraying. On iron, steel and zinc, perform two undiluted applications. Use special coating tools for water-based lacquers, soaking them in water prior to use then shaking off excess liquid.

APPLICATION CONDITIONS:

Do not apply or leave to dry at a project or air temperature of less than +5°C.

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure / quantity	Air pressure	Thinning
High pressure	2.0 mm	-	2.0 bar	approx. 5–10 %
Low pressure	Medium	max.	max.	approx. 5–10 %
Airless	0.015"–0.019"	140–180 bar	-	Undiluted
Airless temp (55 °C)	0.015"–0.019"	120–150 bar	-	Undiluted

Airmix	0.015"–0.019"	120–150 bar	1.0–2.0 bar	Undiluted
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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 cleaning/rinsing water and dispose of properly.

DRYING

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

Dust-dry: approx. 30 min

Tack-free: approx. 1 h

Over-coatable: approx. 4 h with water-based coating materials, approx. 24 h with solvent-containing finishing lacquers

The drying time for application on iron and steel as well as for isolating wood constituents is 24 hours; this also applied for over-coating with water-based coating materials. Higher layer thicknesses and/or lower temperatures delay the drying times.

SPECIAL INFORMATION

AquaVision All-Grund is a primer and an adhesion promoter which must not be exposed to weathering for a prolonged period of time. When used in exteriors, it should be over-coated with a finishing lacquer immediately after drying.

EC DIRECTIVE 2004/42/CE

The AquaVision All-Grund product falls below the maximum VOC value of product category i (140 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Acrylate dispersions (mineral and/or organic pigments depending on the colour shade), mineral white pigments, mineral extenders, corrosion-inhibiting pigments, glycol ether, glycols, water, xanthan

gum, wetting agents, neutralising agents, antifoam agents, polyurethane thickeners, corrosion inhibitors, storage protection based on 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 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 force 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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