



TECHNICAL DATA SHEET

30575 AQUAVISION 2K-ALL-GRUND

AREA OF APPLICATION

AquaVision 2K-All-Grund is an epoxy resin-based two-component adhesion promoter for exterior and interior use. For rigid, non-absorbent substrates such as metals, tiles, glass, and ceramics, as well as polyester and EP existing coatings. Over-coatable with water-dilutable and solvent-containing lacquers.

It is not suitable for coating thermoplastic existing coatings and elastic substrates.

PROPERTIES

- Very good adhesion
- Easy application
- Rapid drying
- Flatmodifying function
- water-based
- Low-odour
- Corrosion-inhibiting
- Universally over-coatable

COLOUR SHADE: 9110 white

SÜDWEST AquaVision 2K-All-Grund (comp. A) can be tinted in the colour shade "grey" with up to 3 % CS pigment using the SÜDWEST AquaMix system.

CONTAINER: 800 ml combination container (400 ml comp. A, 400 ml comp. B)

COVERAGE: approx. 90 – 120 ml/m²
(approx. 125 – 170 g/m²)

DENSITY:

Comp. A: approx. 1.6 g/cm³
Comp. B: approx. 1.1 g/cm³
Mixed material: approx. 1.4 g/cm³

GLOSS LEVEL: mid sheen

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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

SUBSTRATE PREPARATION:

LOAD-BEARING EXISTING COATING:

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/STEEL/STAINLESS STEEL:

Derust and degrease thoroughly. Remove mill scale and other contamination by sanding or blasting. We recommend the use of SÜDWEST All-Grund, solvent-containing, for exterior areas exposed to weathering and surface areas with rust residue.

ZINC AND GALVANISED SUBSTRATES:

Clean in accordance with BFS data sheet no. 5, e.g. with SÜDWEST Zink- und Kunststoff-Reiniger (observe the Technical Data Sheet). Apply two coats of primer to surfaces over-coated with alkyd resin lacquer.

COPPER AND ALUMINIUM:

Clean with SÜDWEST Kupfer- und Alu-Reiniger (observe the Technical Data Sheet).

TILES/CERAMICS/GLASS:

Remove contamination (e.g. chalk residue, etc.).

POWDER COATINGS:

Check the suitability of powder coatings for coating:

1. Follow the manufacturer's recommendation
2. Carry out a sanding test (e.g. with 240 grit paper)
If there is sanding dust -> substrate can be coated
If there is no sanding dust or if the substrate smears when sanded -> substrate cannot be coated
3. Wetting test with water
Substrate wetted -> substrate can be coated
Water drips off -> substrate cannot be coated

Sand the substrate carefully, e.g. with a nonwoven abrasive. Then clean with SÜDWEST Zink- und Kunststoff-Reiniger. Observe BFS data sheet no. 24.

APPLICATION

By paint brush, roller.

APPLICATION CONDITIONS:

Temperature and humidity influence the drying process and flow of water-based coating materials. The drying process is delayed by low temperatures and high humidity. Do not apply or leave to dry at a temperature of less than +10°C and humidity > 80 %. The surface must be protected against moisture during curing (approx. 8 hours at 20°C).

MATERIAL PREPARATION:

Mixing ratio by volume: 1:1 (container contents equivalent to 400 ml comp. A + 400 ml comp. B).

If you are working with small batch quantities, we recommend using a weighing scale that is as accurate as possible. Mixing ratio by weight: 6 parts comp. A : 4 parts comp. B, so e.g. 60 g comp. A + 40 g comp. B.

MIXING PROCESS:

Stir comp. A well.

Homogeneous mixing of the components is a prerequisite for optimum film formation. Add comp. A to comp. B and stir vigorously for 2–3 minutes. Then thin with water if necessary (max. 10 %) and stir well again. Once mixing is complete, transfer the compound to a clean container and stir again.

TOOL RECOMMENDATION:

For painting, we recommend using paint brushes with synthetic bristles. Foam rollers are suitable for rolling on smaller surfaces. Apply the paint to larger surfaces using a microfibre paint roller; then finish off with a fine foam roller.

Process	Nozzle	Material pressure / quantity	Air pressure	Thinning
High pressure	2.0 mm	-	2.0 bar	approx. 10 %

DILUTION:

Dilute with water if necessary.

TOOL CLEANING:

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

NOTES:

Please ensure that the material around the edges of the container is mixed in well. Once mixed, the material has a pot life of approx. 2 hours at 20°C. Higher temperatures reduce pot life. The end of the pot life cannot be recognised visually (no increase in viscosity). Do not continue to apply the material mixture once the pot life has expired.

DRYING

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

Dust-dry: approx. 1 h

Over-coatable: 16 h

Recoating can be carried out with water-based and solvent-containing lacquers. Higher layer thicknesses and/or lower temperatures delay the drying time. The surface must be protected from moisture during the drying time.

EC DIRECTIVE 2004/42/EC:

The AquaVision 2K All-Grund product falls below the maximum VOC value of product category j (130 g/l) and is therefore VOC-compliant.

VDL DECLARATION:

Comp. A: polyamine, titanium dioxide, corrosion-inhibiting pigment, mineral fillers, water, interface additives, BIT/MIT-based storage preservatives

Comp. B: epoxy resin, water, alcohol, Storage preservatives based on BIT/CIT/MIT

GISCODE: RE50

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, dry, and 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 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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