SÜDWEST

TECHNICAL DATA SHEET

30043 AQUAVISION 2K-SEIDENMATTLACK

AREA OF APPLICATION

AquaVision 2K-Seidenmattlack is a two-component lacquer for particularly durable interior and exterior coatings. Ideal for applications on heavily used surfaces, e.g. in public buildings, schools, hospitals, or in restaurants.

The AquaMix Basis 0000 (colourless) tinting base can also be used as a varnish to add a colourless sealing coat to timber, non-ferrous heavy metals, or varnished surfaces. A test report in accordance with the DIN EN 71-3 inspection standard (European toy safety standard) is available.

Test/certificates:
TÜV Süd: Assessment according to DIN EN 71-3: safety of children's toys
TÜV Süd: Visual assessment of resistance to disinfectants according to DIN EN ISO 4628-1
TÜV SÜD: Visual assessment of colourfastness to sweat and saliva according to DIN 53160-2
Self-verification: Resistant to chemicals according to resistance table

PROPERTIES

- low-odour
- excellent application properties
- excellent flow properties
- scratch-resistant and shock-proof
- resistance to hand perspiration
- resistant to chemicals according to the testing table
- high mechanical resistance
- high weatherability
- good cleanability
- block-resistant
- resistant to disinfectants*
- saliva-proof and sweat-proof*

* See test report on our homepage

COLOUR SHADE: 9110 white, Basis 0000 colourless

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

CONTAINER: 750 ml, 2.5 l

COVERAGE: **finished mixture:** approx. 100 – 120 ml/m²

DENSITY:
AquaVision 2K-Seidenmattlack 9110 white: approx. 1.2 kg/l
AquaVision 2K-Seidenmattlack Basis 0000: approx. 1.1 kg/l
AquaVision 2K-Härter: approx. 1.0 kg/l

GLOSS LEVEL: mid sheen
60° approx. 12 GU
85° approx. 25 GU

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.

SUBSTRATE

Existing load-bearing coatings, primed substrates such as metals, plastics, and tiles. Wood in the interior.

Use as a varnish: timber, copper, brass, aluminium, or as a clear protective varnish on coatings.

SUBSTRATE PREPARATION:
EXISTING LOAD-BEARING COATINGS:
Check for tight fit. Completely remove existing non-load bearing coatings and rebuild depending on the substrate. Thoroughly clean and sand existing load-bearing coatings.

Depending on the intended use, we recommend the following SÜDWEST products as a primer:
Water-based, two-component
SÜDWEST AquaVision 2K-All-Grund
Water-based, single-component:
SÜDWEST AquaVision All-Grund, SÜDWEST AquaVision PU-Vorlack, SÜDWEST KATIOTECH Isolier-Grund
Solvent-based, single-component:
SÜDWEST All-Grund
Solvent-based, two-component:
SÜDWEST 2K-All-Grund, SÜDWEST 2K-Epoxi-Füllprimer

Notes:
Allow single-component primers to dry for at least 4 hours, preferably overnight, before re-applying.

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Allow two-component primers to dry for 24 hours.

Earlier reapplication can lead to crack formation on the finishing lacquer. Clean and sand primed substrates before re-applying.

WOOD, INTERIOR:
Thoroughly sand and clean uncoated wood. On highly absorbent substrates, the priming coat must be diluted by up to 15 %. Wood constituents can be isolated by applying a priming coat of SÜDWEST KATIOTECH Isolier-Grund. Allow to dry for at least 24 hours before applying AquaVision 2K-Seidenmattlack. For wood in exteriors we recommend using SÜDWEST AquaVision Holzfarbe.

ALUMINIUM, COPPER, BRASS:
Non-ferrous heavy metals can be varnished directly with AquaVision 2K-Seidenmattlack (Basis 0000) to protect against oxidation. Clean metals with SÜDWEST Kupfer- und Alu-Reiniger and fine nonwoven abrasive and allow to dry.

WALL TILES (NOT IN WET ROOMS):
Prime with SÜDWEST AquaVision 2K-All-Grund after professional cleaning or substrate preparation. Allow to dry for at least 16 hours before applying AquaVision 2K-Seidenmattlack.

MINERAL SUBSTRATES:
Depending on the absorption capacity of the substrate, apply the priming coat diluted with up to 20 % water. Apply 1–2 undiluted top paint coats.
Warning: Film formation on the product may be impaired on alkaline substrates. We therefore recommend applying a test coating before coating mineral substrates. Allow the last layer to dry for at least 24 hours. Film formation on the system can be tested by water loading as follows: apply a damp cloth for approx. 60 minutes. If the substrate is dark in colour or the film can be easily scraped off, the substrate is not suitable for coating with AquaVision 2K-Seidenmattlack.

APPLICATION
Stir the ready-mixed material well and apply with a brush, by roller, or by spraying. Only use tools that do not rust. Apply 1 – 2 times undiluted by paint brush or roller.

APPLICATION CONDITIONS:
Temperature and humidity influence the drying and flow of water-based coating materials. Optimum application temperature 10 °C–25 °C (approx. 60 % 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:

Methods	**Nozzle**	**Material pressure / quantity**	**Air pressure**	**Thinners**
High pressure	2.0 mm	-	2.0 bar	approx. 5–10 %
Low pressure	Medium	approx. ¾	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

The maximum addition of water for spraying is 10 %. Stir well again after adding water. Adding more water reduces the dry film thickness, hiding power, and fullness.

MATERIAL PREPARATION:
Mix AquaVision 2K-Seidenmattlack (component A) with AquaVision 2K-Härter (component B) to a ratio of 10:1. Stir vigorously for 2–3 minutes. Homogeneous mixing of components A and B is a prerequisite for optimum film formation. Please ensure that the material around the edges of the container is mixed in well. Avoid mixing in large quantities of air if possible. Once mixing is complete, transfer the compound to a clean container and stir again. The mixture can be applied by volume or by weight. If you are working with small quantities, we recommend using a weighing scale to weigh out the components.

POT LIFE:
Once mixed, the material has a pot life. At a temperature of +20 °C, the pot life is approx. 6 hours. 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.

TOOL RECOMMENDATION:
We recommend the use of brushes with synthetic-fibre bristles for painting. Foam rollers are suitable for rolling on smaller surfaces. On larger surfaces, apply material with a microfibre paint roller; then immediately finish 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. 10 h

It will take approx. 14 days for complete mechanical and chemical resistance to be achieved. Higher layer thicknesses and/or lower temperatures delay the drying times.
Note:
After 16 hours, AquaVision 2K-Seidenmattlack can be sanded manually with a sanding pad. We recommend a drying time of approx. 36 hours before sanding by machine on larger surfaces.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26
Class: B, group 1–3 depending on the colour shade

DIRECTIVE 2004/42/CE:
The product AquaVision 2K-Seidenmattlack falls below the maximum VOC value of product category d (130 g/l) and is therefore VOC-compliant.

VDL (GERMAN PAINT AND PRINTING INK ASSOCIATION) DECLARATION:

Component A: acrylate dispersions, acrylate PU dispersions, mineral white pigments (mineral and/or organic pigments depending on the colour shade), water, glycol, neutralising agent, antifoaming agent, wetting agent, polyurethane thickeners, amorphous silicic acids, interface additives, protection of the product during storage based on 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 safety data sheet 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.

STATUS: 2026/MARCH/KM

Chemical	1 hrs.	20 hrs.
Hydrochloric acid 7 %	1	1
Vinegar essence 10 %*	0	0
Sulphuric acid 10 %	0	2
Citric acid 10 %	0	2
Xylene*	1	1
Isopropyl alcohol*	3	3
Hydrogen peroxide 3 %*	0	0
Salt 10 %	0	0
Ethanol*	2	3
Nail polish remover*	1	2
All-purpose cleaner*	2	3
DanKlorix	1	3
Red wine	1	1
Cola*	0	1
Coffee*	1	1
Varnish cleaner	0	1
Ketchup	0	1
White spirit	1	0
Sodium hydroxide (caustic soda) 10 %	1	3
Petrol	1	1
Diesel*	0	0
Hand cream	1	3
Linseed oil	0	0
Engine oil	0	0
Gear lubricant	0	1
Compressor oil	0	0

The resistance to chemicals was determined on a primed steel panel with AquaVision® 2K-Seidenmattlack in the RAL 7032 colour shade after 7 days of drying. Pigmentation can have an influence on the resistance to chemicals. Different results are therefore possible with other colour shades.

0 no visible changes

1 change in gloss and colour shade just discernible

2 slight change in gloss and colour shade, texture of surface is unchanged

3 significant marking visible, texture of sample surface area is largely unchanged

4 significant marking visible, texture of surface is changed

5 sample surface area significantly changed/destroyed

* Substance evaporates overnight