

TECHNICAL DATA SHEET

30940 AQUAVISION SCHULTAFEL-LACK



AREA OF APPLICATION

SÜDWEST AquaVision Schultafel-Lack is a special-purpose paint for creating surfaces that can be written on with chalk or chalk markers. The product can be applied to properly prepared, smooth substrates in interior and exterior areas. The product is suitable for refurbishing old boards or for creating new surfaces that are suitable for writing on. 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
- Good hiding power
- Rapid drying
- Matt
- Non-reflecting
- Excellent mechanical resistance
- Suitable for writing on
- Easy to clean

COLOUR SHADE: 9105 black, 6105 green

ALL-COLOR FACTORY TINTING: RAL 2008, RAL 3011, RAL 3016, RAL 3017, RAL 4002, RAL 4006, RAL 4008, RAL 5003, RAL 5022, RAL 6026, RAL 6029, RAL 7008, RAL 7010, RAL 7024, RAL 7026, RAL 8019, RAL 8023, RAL 8025

Please note: Due to the matt surface of SÜDWEST AquaVision Schultafel-Lack, a visual difference between its appearance and the RAL colour charts that are available on the market is unavoidable.

CONTAINER: 750 ml, 2.5 l

COVERAGE: approx. 80 – 100 ml/m²

GLOSS LEVEL: matt

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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

Load-bearing existing coatings, primed smooth substrates such as MDF boards, wall areas, 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 load-bearing existing coatings; prime any defects with SÜDWEST AquaVision All-Grund.

NEW TIMBER OR ENGINEERED WOOD:

Prime with SÜDWEST AquaVision All-Grund, filling the entire surface as necessary.

IRON AND STEEL:

Carefully derust, degrease, and prime with SÜDWEST AquaVision All-Grund. Prime with SÜDWEST All-Grund (solvent-based) in exterior areas.

ZINC AND RIGID PLASTICS:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger and prime with SÜDWEST AquaVision All-Grund.

WALL AREAS:

Fill gypsum plasterboard with SÜDWEST Profi-GF Spachtel to at least Q3 quality. Prime the filled surfaces with SÜDWEST InnenGrund. Embed smooth nonwoven in tissue adhesive (follow the manufacturer's instructions) and rework with SÜDWEST Profi-GF Spachtel after drying if necessary (filled spots might need to be primed again). Then apply 2–3 coats of SÜDWEST AquaVision Schultafel-Lack with a short-pile roller sleeve.

PRIMED SUBSTRATES:

For a very smooth surface finish, we recommend an intermediate 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. 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 at temperatures less than +5°C.

High temperatures and very low humidity shorten the cure time.

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material Pressure	Air Pressure	Thinning
High pressure	2.0 mm	-	1.8–2.5 bar	max. 10 %
Low pressure	S.4.1	-	80 %	max. 10 %
Airless (20 °C)	310	130 bar		Undiluted
Air-Coat	310	150 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/TOOL CLEANING:

Clean water (drinking water quality). During longer rest breaks and at the end of work, wash the tools with water, then once again with soapy water, and rinse.

DRYING

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

Dust-dry and tack-free: approx. 30 min

Over-coatable: approx. 6 h

Suitable for writing on: approx. 48 h

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

Note:

After 16 hours, SÜDWEST AquaVision Schultafellack 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

Once fully dry, the surfaces can be written on with wax-free chalk or Edding chalk markers (white), for example. Chalk markings should be removed after 2–3 days. If left for longer periods, traces of chalk residue might still be visible after cleaning. If other materials or colour shades are to be used to write on the surface, we recommend sampling them (including wiping them off) first. Writing can be washed off the surface with a damp sponge. To avoid abrasion of pigments, only use soft cloths to dry the surface. Scratch marks and signs of usage are unavoidable due to the different types of chalk and mechanical factors.

EC DIRECTIVE 2004/42/CE

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

VDL DECLARATION

Acrylate dispersions (mineral and/or organic pigments depending on the colour shade), water, glycols, alcohol esters, antifoam agents, wetting agents, polyurethane thickeners, neutralising agents, interface additives, amorphous silicic acids, 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. Dispose of them in accordance with legal requirements.

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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