



TECHNICAL DATA SHEET

30510 AQUA ALU-EFFECTLACK

AREA OF APPLICATION

Aqua Alu-Effectlack is a decorative special-purpose paint for high-quality gloss surfaces with metallic effect in interiors and exteriors. The product can be used for gloss decorative coatings on prepared surface areas including doors, railings, and even wall areas (e.g. glass fabric). It is particularly suitable as a protective design finish on substrates that are exposed to heat, such as radiators and flues. With a low VOC content, it can also be used over large areas in sensitive interiors.

PROPERTIES

- Bright surfaces
- Water-based
- Low-odour, solvent content (VOC) <1 %
- Can be applied with a paint brush or roller sleeve
- Good adhesion
- Tintable
- Quick drying
- Viscoplastic
- Heat-resistant up to +120°C*

*See specific notes

COLOUR SHADE: 9318 bright silver (approximate equivalent of RAL 9006)

ALL-COLOR FACTORY TINTING: RAL 9007, gold, bronze, copper, glacier blue, etc.; see SÜDWEST All-Color lacquer colour shades, metallic lacquer collection

CONTAINER: 750 ml, 2.5 l

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

GLOSS LEVEL: gloss

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, METALS, PLASTICS, TIMBER AND ENGINEERED WOOD: with SÜDWEST AquaVision All-Grund or SÜDWEST All-Grund (observe Technical Data Sheet)

MINERAL SUBSTRATES:

Prime with SÜDWEST HydroGrund and apply an initial coat of SÜDWEST AquaVision All-Grund.

GLASS FABRIC WALLPAPERS:

Start by pre-coating with a matt white emulsion paint with good filling capacity and wet-scrub resistance class 2 or 3.

PROFILE WALLPAPERS (PLASTICISER-FREE) AND EXISTING PAINT COATS ON A DISPERSION BASE:

Wash the substrates clean and pre-coat with a matt white emulsion paint with wet-scrub resistance class 1 or 2.

APPLICATION

Apply one to two coats with a paint brush, by roller, or by spraying. Apply using a spray process for optimum effect. Use a blended bristle brush for painting or a flocked polyurethane foam roller for application by roller. For very fine surface finishes, use a foam roller. When

applying by roller to large surface areas, roll out evenly in one direction. Immerse tools in water prior to use and then spin to dry. Do not apply or leave to dry at a project or air temperature of less than +5°C.

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 | - | 2.0 bar | 5 – 10 % |
| Low pressure | Medium | Approx. 2/3 | max. | 5 – 10 % |

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)

Dust-dry: approx. 30 min

Over-coatable after approx. 4 hours, depending on layer thickness and temperature

Fully dry: after approx. 20–36 hours

SPECIAL INFORMATION

Not suitable for use in areas that are permanently damp (condensation – standing water) and/or exposed to mechanical stress.

Aqua Alu-Effektlack in bright silver is heat-resistant up to at least 120°C (dry heat). Storage inside an oven for a period of 6 hours at 200°C will neither soften the surface nor cause visible scorching.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26

Class: A, group 1–3 depending on the colour shade

EC DIRECTIVE 2004/42/CE

The Aqua Alu-Effektlack product falls below the maximum VOC value of product category k (100 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Acrylate dispersions (mineral and/or organic pigments depending on the colour shade), effect pigments, water, neutralising agents, antifoam agents, wetting agents, surface additives, polyurethane thickeners, corrosion inhibitors

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 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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