



TECHNICAL DATA SHEET

30465

2K-ALL-GRUND

AREA OF APPLICATION

2K-All-Grund is a two-component primer for application on many substrates for building protection, in timber frame construction, and in industry. Use the product as a thin-layer primer and adhesion promoter, or as a thick-layer filler aggregate. For isolating or sealing existing alkyd resin lacquers. Suitable for use as an all-purpose:

- Filler primer
- adhesion promoter
- Wet-in-wet filler primer
- Thick-layer filler primer
- Paint filler primer

PROPERTIES

- Very quick drying
- Active protection against corrosion
- High filling capacity
- Brushable
- Excellent non-sag properties
- Suitable for application wet-in-wet
- Very suitable for sanding
- Universally over-coatable

COLOUR SHADE: 9110 white

CONTAINER: 1 l, 4 l (component A)

COVERAGE (FINISHED MIXTURE):

Adhesion promoter 60–80 ml/m²

Wet-in-wet filler aggregate 70–90 ml/m²

Filler primer 150–180 ml/m²

Thick-layer filler primer 200–350 ml/m²

GLOSS LEVEL: matt

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

Steel components, timber, MDF and other engineered woods, galvanised steel substrates, GFRP, rigid plastics (thermosetting plastics), copper, brass, stainless steel, existing coatings.

SUBSTRATE PREPARATION:

EXISTING COATINGS AND PRIMED SUBSTRATES:

Carry out a solvent test with SÜDWEST 2K-Acryl-Verdünnung. If there is significant solvation of the existing coating, the substrate cannot be coated with SÜDWEST 2K-All-Grund. Substrates that cannot be solvated should be sanded and cleaned thoroughly.

STEEL AND IRON PARTS:

Degrease, derust, descale, remove all traces of binder layers.

STAINLESS STEEL:

Degrease and clean.

ZINC AND GALVANISED SUBSTRATES:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger. Observe BFS data sheet no. 5.

PLASTIC:

Clean rigid PVC, polyester, and GFRP with SÜDWEST Zink- und Kunststoff-Reiniger. Observe BFS data sheet no. 22.

ALUMINIUM, COPPER, BRASS:

Clean with SÜDWEST Kupfer- und Alu-Reiniger.

Do not use on aluminium in exteriors or on anodised aluminium.

APPLICATION

APPLICATION CONDITIONS:

Ideally between 20°C and 25°C. Do not apply or leave to dry at an air, project, or ambient temperature of less than 15°C. Temperatures lower than this will affect the curing process. Do not apply at above 80 % rel. humidity.

MATERIAL PREPARATION:

Wherever possible, the two components A and B should be mixed exactly in accordance with the specified **mixing ratio by volume**.

Decant component A into a suitable container and add the required amount of component B. This can be done in a cylindrical container with a measuring stick, for example. Stir vigorously then transfer to another container and mix thoroughly once again. Avoid mixing in large quantities of air if possible.

SPRAYING:

For application by spraying, use SÜDWEST 2K-Acryl-Härter as component B.

MIXING RATIO:

The mixing ratio is 6:1 (six volume parts 2K-All-Grund with one volume part 2K-Acryl-Härter).

The application viscosity can be adjusted as required by adding 2K-Acryl-Verdünnung.

Pressure and nozzle parameters should be set in compliance with the relevant equipment manufacturer's specifications.

POT LIFE:

(+20°C / 60 % rel. humidity)

The material has a pot life of approx. 2 hours once it is ready to use. Higher temperatures reduce pot life. Do not continue to apply the material mixture once the pot life has expired.

APPLICATION PARAMETERS:

Use as an adhesion promoter:

Application viscosity approx. 16–20 DIN sec/4 mm cup at +20°C

Nozzle widths:

Gravity flow cup: 1.3–1.5 mm

Suction cup: 1.5–1.8 mm

Air pressure: 3.0–5.0 bar

Spray application: 15–30 µm dry (0.5 criss-cross pattern)

Can be over-painted wet-in-wet after approx. 30 minutes.

Use as a filler primer or wet-in-wet filler aggregate:

Application viscosity approx. 19–25 DIN sec/4 mm cup at +20°C

Nozzle widths

Gravity flow cup: 1.3–1.5 mm

Suction cup: 1.5–1.8 mm

Air pressure: 3.0–5.0 bar

Spray application: 30–60 µm dry (1–1.5 criss-cross patterns)

Use as a thick-layer filler primer

Application viscosity approx. 50–60 DIN sec/4 mm cup at +20°C

Nozzle widths:

Gravity flow cup: 1.8–2.5 mm

Suction cup: 2.0–3.5 mm

Air pressure: 3.0–5.0 bar

Spray application: 200–250 µm dry (3–4 criss-cross patterns)

Drying (depending on layer thickness):

Air drying (at +20°C / 60 % rel. humidity)

Dust-dry: after approx. 5–20 min

Suitable for sanding wet: after approx. 2–4 h

Fully dry: after approx. 6–24 hours

Heat drying (only recommended for thin-layer application):

Flash-off time: approx. 15 min

Drying time: approx. 45–60 min at 60–80 °C

Painting:

Due to the short open time, the product is only recommended for painting small surface areas or profiles. Use SÜDWEST 2K-Acryl-Streichlack-Zusatz für 2K-All-Grund as component B in painting applications.

Mixing ratio: the mixing ratio is 4:1 (four volume parts 2K-All-Grund with one volume part Streichlack-Zusatz). Apply quickly and undiluted.

Pot life: (+20°C / 60 % rel. humidity)

The material has a pot life of approx. 2 hours once it is ready to use. Higher temperatures reduce pot life. Do not continue to apply the material mixture once the pot life has expired.

Drying: (at +20°C / 60 % rel. humidity)

Dust-dry: after approx. 5–10 min

Suitable for sanding wet: after approx. 6–8 h

Fully dry: after approx. 24 hours

Spray thinning/Tool cleaning:

SÜDWEST 2K-Acryl-Verdünnung

Reworking:

2K-All-Grund is universally over-coatable with SÜDWEST 2K-Acryl-Lacken or single-component lacquers. For 2K-All-Grund drying times of > 12 hours, sand thoroughly to ensure reliable intermediate adhesion.

EC DIRECTIVE 2004/42/CE:

The 2K-All-Grund product falls below the maximum VOC value of product category j (500 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Acrylates, mineral white pigments, organic and mineral fillers, acetates, anti-foaming agents, rheology additives, corrosion-inhibiting pigments, catalysts

GISCODE PU35

GENERAL SAFETY ADVICE

Only for commercial users / experts.

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. Only use in well-ventilated areas.

Do not eat, drink, smoke, or inhale snuff tobacco during work. Keep out of reach of children. Do not allow to enter the sewer system or bodies of water. If rivers, lakes, or drains become contaminated, inform the relevant authorities in accordance with the local laws. 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 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.
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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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