SÜDWEST

TECHNICAL DATA SHEET

30400
2K-EPOXI-FÜLLPRIMER

AREA OF APPLICATION

2K-Epoxi-Füllprimer is a two-component primer for application on many substrates in industry and for building protection. Use the product as a thin-layer primer and adhesion promoter, or as a thick-layer filler. Ideal for application on a variety of interior and exterior substrates (mixed construction).

PROPERTIES

- Rapid drying
- Excellent adhesion
- Waterproof (does not swell)
- High protection against corrosion
- High resistance to chemicals
- Variable layer thickness, thin-layer as adhesion promoter to thick-layer as filler primer
- Universally over-coatable with single-component and two-component lacquers

COLOUR SHADE: component A: 9110 white, component B: colourless

CONTAINER:
Combination container for base + hardener
5 litres = 4 litres component A + 1 litre component B
1 litre = 800 ml component A + 200 ml component B

SÜDWEST 2K-Acryl-Verdünnung
1 l

COVERAGE (FINISHED MIXTURE):
Adhesion promoter approx. 60 – 70 ml/m² per coating
Wet-in-wet: approx. 70 – 150 ml/m² per coating
Filler primer: approx. 150 – 300 ml/m² per coating

GLOSS LEVEL: silk 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

Steel, steel sheet, V2A + V4A steel, non-ferrous metals, galvanised sheet metal, timber and engineered woods, solvent-resistant existing coatings.

SUBSTRATE PREPARATION:
INTACT EXISTING COATINGS:
Carry out a solvent test with 2K-Acryl-Verdünnung. If there is significant solvation of the existing coating, the substrate cannot be coated with 2K-Epoxi-Füllprimer. 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.

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ALUMINIUM:
Clean with SÜDWEST Kupfer- und Alu-Reiniger. Do not use on anodised aluminium.

TIMBER AND ENGINEERED WOOD:
Prime diluted.

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. Leave to react initially for approx. 5 minutes.
Mixing ratio: the mixing ratio is 4:1 (four volume parts comp. A (base) with one volume part comp. B (hardener)). The application viscosity can be adjusted as required by adding SÜDWEST 2K-Acryl-Verdünnung.

PAINTING, ROLLING, OR SPRAYING:
Only suitable for painting or application by roller on small surface areas; use solvent-resistant tools.

SPRAYING:
Use thin-layer or thick-layer application as appropriate for the intended purpose.

Thin-layer application:
Apply with HVLP, gravity flow cup, or suction cup gun.
Spray viscosity 18–22 s (4 mm DIN cup at 20 °C), 1 criss-cross pattern dry layer approx. 20 µm.
Nozzle width: 1.3–1.5 mm
Air pressure: 3.0–5.0 bar

Thick-layer application:
Apply undiluted or slightly diluted with a pressure cup spray gun or gravity flow cup gun; 2–3 criss-cross patterns, dry layer maximum 200 µm.
Pressure cup nozzle width: 1.5–2.0 mm
Gravity flow cup nozzle width: 1.7–3.0 mm
Air pressure: 3.0–5.0 bar

POT LIFE:
(+20°C / 60 % rel. humidity)
The material has a pot life of approx. 6 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.

THINNING AGENT/TOOL CLEANING:
2K-Acryl-Verdünnung

DRYING

Air drying (at 20 °C / 60 % rel. humidity)
Thin-layer application: can be overpainted after approx. 2 h
Thick-layer application: can be overpainted after 12–16 h

Heat drying:
Leave to flash off for approx. 10–20 minutes depending on layer thickness. Drying temperature approx. 60–80°C; drying time approx. 15–90 minutes depending on layer thickness.

Note: Progressive chemical crosslinking of the components over time results in significant hardening of the surface of 2K-Epoxi-Füllprimer. Therefore, the product should be over-coated with a finishing lacquer within 24 hours of application. For longer drying times, we recommend sanding the surface thoroughly by machine prior to overcoating, e.g. with P240 grain size abrasive paper.

SPECIAL INFORMATION

SÜDWEST Epoxi products are sensitive to cold and draughts following application; this can disrupt flow. To avoid disruption to flow, apply the product at temperatures above +20°C. Amine evaporations can cause yellowing of freshly painted adjacent surfaces or when overcoated with alkyd resin lacquers (make sure you allow a drying time of at least 48 hours).

EC DIRECTIVE 2004/42/CE

The ready-to-use 2K-Epoxi-Füllprimer + Epoxi-Härter product falls below the maximum VOC value of product category j (500 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Composition by mixing: epoxy resins, mineral white pigments, organic-mineral and mineral fillers, corrosion-inhibiting pigments, aromatic hydrocarbon mixtures, glycol ether, alcohols, polyamines, catalysts, interface additives, amorphous silicic acids

GISCODE RE70

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

Close opened containers so that they are airtight after use. Store in cool but frost-free conditions.

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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