



TECHNICAL DATA SHEET

30885 KATIOTECH ISOLIER-GRUND

AREA OF APPLICATION

KATIOTECH Isolier-Grund is a white pigmented, stain-blocking primer on a cationic binding agent base for timber and engineered wood and many other substrates. In exterior areas, KATIOTECH Isolier-Grund must be overcoated, e.g. with SÜDWEST AquaVision Holzfarbe, AquaVision Multi-Venti or Drytec® HolzProtect. The product can be used as a one-pot system in interiors, e.g. on wooden ceilings.

PROPERTIES

- Very good adhesion
- Water-based
- Low-odour
- White pigmented, high whiteness
- Good hiding power
- Smooth application
- Fast drying
- High barrier effect on branches
- High barrier effect against wood constituents
- Prevents soot, grease, nicotine showing through
- Excellent adhesion
- Matt surface
- Over-coatable with AquaVision lacquers

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: RAL 7035, RAL 7047

CONTAINER: 750 ml, 2.5 l, 10 l

COVERAGE: approx. 90 - 110 ml/m² per coating

Exact consumption values on the specific project must be determined by applying a test coat.

GLOSS LEVEL: matt

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 working life of

subsequent coatings. Wash tropical woods with constituents that delay the drying time with a cellulose thinner and apply a test coat. For outdoor 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

The substrate must be firm, dry, clean, load-bearing, and free from release agents.

General information: SÜDWEST KATIOTECH products are slightly acidic (pH < 7), which means that discolouring ingredients (e.g. wood ingredients, nicotine, etc.) can usually be successfully blocked off with two paint coats. Do not use alkaline cleaning agents for substrate preparation, as these can have a negative effect on the sealing effect. Due to the large variety of soluble, discolouring ingredients, the blocking effect cannot be guaranteed in individual cases. Water-soluble stains, for example, may contain colourants that cannot be isolated with KATIOTECH products. We generally recommend checking the insulating effect of unknown substrates by means of a test coating.

SUITABLE SUBSTRATES:

Hardwood, softwood, wood with existing coatings, engineered wood (MDF, OSB), laminated or veneered substrates (e.g. panels), load-bearing coatings, aluminium, hard plastics, zinc, copper, brass.

SUBSTRATE PREPARATION:

Wood/engineered wood (e.g. particle boards or oriented strand boards):

Sand timber surfaces in grain direction and clean thoroughly. The moisture content in the wood should be less than 12 % before coating. Prime timbers susceptible to fungus in exteriors with SÜDWEST AquaVision Holz-Imprägnier-Grund WV.

Wood with existing coatings:

Always check the load-bearing capacity of existing coatings. Remove non-load bearing existing coatings as far as the load-bearing wooden substrate. Sand load-bearing existing coatings well and clean them thoroughly.

Laminated or veneered substrates (e.g. panels):

Clean and mat using a neutral cleaning agent and a nonwoven abrasive. Leave the cleaned substrates to dry.

EXISTING COATINGS (interior): Check existing coatings for a firm hold. Completely remove existing non-load bearing coatings. Thoroughly clean and sand existing load-bearing paint coats.

ALUMINIUM (interior): Clean with the SÜDWEST Kupfer- und Alu-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 6.

HARD PLASTICS, E.G. RIGID PVC (interior): Clean with a neutral cleaning agent.

ZINC AND GALVANISED SUBSTRATES (interior): Clean with a neutral cleaning agent.

ALUMINIUM / BRASS (interior): Clean with the SÜDWEST Kupfer- und Alu-Reiniger. Observe the Technical Data Sheet.

APPLICATION

Stir the material well and, if possible, apply undiluted with a paint brush, by roller, or by spraying. During application, make sure that the layer thickness is sufficient to fully close any pores.

INTERIOR APPLICATION:

KATIOTECH Isolier-Grund can be used as a one-pot system in interiors, e.g. on wooden ceilings. Apply 2–3 undiluted coats depending on the substrate. KATIOTECH Multi-Lack can be used to achieve a silk gloss, white surface.

EXTERIOR APPLICATION:

Apply 1–2 undiluted priming coats depending on the substrate. In exterior areas, KATIOTECH Isolier-Grund must be overcoated with a suitable finishing coat. SÜDWEST AquaVision Holzfarbe or SÜDWEST AquaVision Multi-Venti can be used for overcoating.

APPLICATION USING SPRAY PROCESS:

Metho d	Nozzle	Ma- terial pres- sure/ quan- tity	Air pres- sure	Thinn- ing
High pres- sure	2.0 mm	-	2.0 bar	Undi- luted
Low pres- sure	Me- dium	ap- prox. 1/2	max.	ap- prox. 5 %
Airless	0.008" – 0.012"	160– 200 bar	-	Undi- luted
Airless temp. (60 °C)	0.008" – 0.012"	120– 150 bar	-	Undi- luted
Airmix	0.008" – 0.012"	120– 150 bar	1.0– 2.0 bar	Undi- luted

APPLICATION TEMPERATURE:

Do not apply or leave to dry at an air and object temperature of less than +5 °C. Do not apply in direct sunlight.

TOOL RECOMMENDATION:

For application by brush, we recommend using paint brushes with plastic fibre bristles. Foam rollers are suitable for rolling on smaller surfaces. On larger surfaces, apply the material using a microfibre paint roller.

THINNING AGENT/TOOL CLEANING:

Diluting the product with water reduces the stain-blocking effect.

It should therefore be applied undiluted if possible. Wash tools with water during longer rest breaks; at the end of work, wash again with soapy water and rinse.

DRYING

(+ 20 °C / 60 % rel. humidity, 100 µm wet-layer thickness)
Dust-dry: approx. 1 h
Over-coatable: approx. 6 h

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

SPECIAL INFORMATION

Do not mix KATIOTECH Isolier-Grund with other materials. Tools must be cleaned very well, as cationic products

can be incompatible with other materials. Due to the wide variety of constituents and/or soiling, we recommend that you carry out a test coating before applying the product. The faster the coating film dries, the fewer constituents will be activated. The substrate should therefore be as dry as possible before application. Do not use any water-based cleaning agents when cleaning absorbent timber surfaces. Ensure good ventilation during and after application to remove any evaporating water quickly. Discolouration may occur during the first coating if the timber contains a large number of constituents. These are bound cationically in the coating film. Wait for the coating to dry for at least 12 hours before applying another one. Use SÜDWEST All-Grund Spray as a priming coat on iron nails or screw heads to prevent rust from showing through the coating.

DIRECTIVE 2004/42/CE

The product "KATIOTECH Isolier-Grund" falls below the maximum VOC value of product category A/g (30 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Acrylate dispersion, mineral white pigments, mineral fillers, glycols, water, xanthan gum, wetting and dispersing agents, anti-foaming agents, polyurethane thickeners, storage preservative based on methylisothiazolinones, benzisothiazolinones, and zinc pyrithione.

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

Store in a cool but frost-free and dry place; can be stored for 15 months in the unopened original container.

DISPOSAL

Dispose of empty containers at an authorised hazardous waste centre. The current legal requirements regarding disposal must be observed.

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.

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