



TECHNICAL DATA SHEET

30122 KATIOTECH DECKEN-LACK

AREA OF APPLICATION

KATIOTECH Decken-Lack is a matt, water-based one-pot trim paint for coating wooden ceilings or panels in interiors. The cationic product with a binding agent base isolates wood constituents and adheres to many substrates without an additional priming coat.

PROPERTIES

- Very good adhesion
- Very good barrier effect on branches
- Barrier effect against wood constituents
- Matt surface
- Fast drying
- Excellent hiding power
- Water-based
- Low-odour
- Smooth application
- Fast drying
- Prevents soot, grease, nicotine showing through

COLOUR SHADE: 9110 white

CONTAINER: 2.5 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.

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.

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

HARD PLASTICS, E.G. RIGID PVC:

Clean with a neutral cleaning agent.

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.

Apply 2–3 undiluted coats depending on the substrate.

APPLICATION USING SPRAY PROCESS:

Method	Nozzle	Material pressure/quantity	Air pressure	Thinning
High pressure	2.0 mm	-	2.0 bar	Undiluted
Low pressure	Medium	approx. 1/2	max.	approx. 5 %
Airless	0.008" – 0.012"	160–200 bar	-	Undiluted
Airless temp. (60 °C)	0.008" – 0.012"	120–150 bar	-	Undiluted
Airmix	0.008" – 0.012"	120–150 bar	1.0–2.0 bar	Undiluted

APPLICATION TEMPERATURE:

Do not apply or leave to dry at an air and object temperature of less than +10 °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 Decken-Lack 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 Decken-Lack" 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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