



TECHNICAL DATA SHEET

30121 KATIOTECH MULTI-LACK

AREA OF APPLICATION

KATIOTECH Multi-Lack is a silk gloss one-pot trim paint with stain-blocking properties for interiors. The cationic product can be used for coating new substrates or resistant existing coatings. The product can be used for reworking existing coatings and as a one-pot system on new substrates. A test report in accordance with the DIN EN 71-3 inspection standard (European toy safety standard) is available.

PROPERTIES

- Very good adhesion
- Water-based
- Low-odour
- White pigmented, high whiteness
- Good hiding power
- Smooth application
- Fast drying
- saliva-proof and sweat-proof (DIN 53160)
- Very good cleanability
- Isolates water-soluble ingredients such as soot, grease, nicotine
- Over-coatable with AquaVision lacquers

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING:

Pastel colours on request.

CONTAINER: 750 ml, 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: silk gloss (approx. 10 - 20 GU at 60°)

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:

Can be used without additional priming coats on timber, engineered wood (e.g. MDF, oriented strand boards), foiled or veneered substrates (e.g. panels), load-bearing coatings, aluminum, hard plastics (e.g. PVC, glass-fibre reinforced plastic), zinc, copper, brass.

SUBSTRATE PREPARATION:

Wood/engineered wood (e.g. MDF 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.

ALUMINIUM: 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: Clean with the a neutral cleaning agent.

ZINC AND GALVANISED SUBSTRATES: Clean with a neutral cleaning agent. Observe the Technical Data Sheet.

ALUMINIUM / BRASS: 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.

Only use tools that do not rust. Where possible, apply the priming coat to wood surfaces by brush. Apply undiluted.

APPLICATION CONDITIONS:

Temperature and humidity influence the drying and flow of water-based coating materials. Optimum application temperature 10 °C–25 °C (approx. 60 % humidity). The drying process is delayed by low temperatures and high humidity. Do not apply in conditions under 5 °C. High temperatures and very low humidity shorten the cure time.

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	0.012" – 0.014"	160 bar	-	Undiluted
Airless temp. (60 °C)	0.012" – 0.014"	120 bar	-	Undiluted
Airmix	0.012" – 0.014"	120 bar	2.0 bar	Undiluted

THINNING AGENT:

Dilute with water if necessary. Diluting the product with water reduces the stain-blocking effect.

It should therefore be applied undiluted if possible.

TOOL CLEANING:

Wash tools with water during longer rest breaks; at the end of work, wash again with soapy water and rinse. Collect cleaning and rinsing water and dispose of it properly.

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 Multi-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 alkaline 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 Multi-Lack" falls below the maximum VOC value of product category A/d (130 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Cationic acrylate dispersion, mineral white pigments, inorganic and mineral fillers, glycols, water, wetting and dispersing agents, anti-foaming agents, polyurethane thickeners, surface additives

GISCODE BSW10

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

Only recycle empty containers. 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 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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