



TECHNICAL DATA SHEET

30495 HEIZKÖRPER LACK

AREA OF APPLICATION

SÜDWEST Heizkörper Lack is a heat-resistant special-purpose paint for coating radiators and warm-water pipes.

PROPERTIES

- Rapid drying
- Heat-resistant up to +180°C
- Low tendency to yellowing at temperatures < 60°C
- High whiteness
- Excellent gloss retention
- Ideal edge coverage
- Excellent hiding power
- Easy to apply
- Free from aromatic compounds (VdL-RL-01)

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: more colour shades on request. Please use SÜDWEST All-Deck Buntlack Hochglanz for intense colour shades.

CONTAINER: 375 ml, 750 ml, 2.5 l

COVERAGE: 80 – 100 ml/m² per coating

GLOSS LEVEL: high-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.

SUBSTRATE

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

SUITABLE SUBSTRATES:

Existing coatings, primed metals, factory-primed radiators, powder-coated radiators

SUBSTRATE PREPARATION:

EXISTING COATINGS:

Check existing coatings for a firm hold. Completely remove existing non-load bearing coatings. Thoroughly clean and sand existing load-bearing coatings. Prime damaged spots with SÜDWEST All-Grund. Observe the Technical Data Sheet.

METAL SUBSTRATES:

Prepare metal substrates properly and prime with SÜDWEST All-Grund. Observe the Technical Data Sheet.

FACTORY-PRIMED RADIATORS (DIN 59900):

Observe BFS data sheet no. 24. Apply a priming coat with SÜDWEST 2K-Epoxi-Füllprimer. We recommend creating test coatings and using cross-cut tests to check adhesion.

POWDER-COATED RADIATORS:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 5.

APPLICATION

Stir well and apply with a brush, with a roller, or by spraying.

APPLICATION CONDITIONS:

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

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure/quantity	Air pressure	Thinning
High pressure	2.0	-	2.0 bar	approx. 5 %
Low pressure	Medium	approx. 2/3	2/3 to max.	approx. 5 %

THINNING/TOOL:

Alkyd resin lacquer thinning agent (free from aromatic compounds)

DRYING

(+20°C / 60 % rel. humidity, 100 µm wet-layer thickness)

Dust-dry: approx. 3 h

Tack-free: approx. 7 h

Over-coatable: approx. 24 h

Safe for installation and assembly: approx. 12 h

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

SPECIAL INFORMATION

Alkyd resin lacquers in white or light colour shades have a general tendency to yellow when exposed to artificial light or insufficient natural light, as well as when continuously exposed to heat. The use of special binders in SÜDWEST Heizkörper Lack significantly reduces yellowing compared with conventional alkyd resin lacquers. However, yellowing over time is typical of the product and is not a cause for complaint. SÜDWEST Heizkörper Lack has a characteristic odour which may still be perceptible after drying, e.g. during the initial heating period.

We recommend using SÜDWEST AquaVision Heizkörperlack to reduce the tendency to yellowing and/or the potential for unpleasant odours to a minimum. Drying delays and gloss level deviations are possible in the case of horizontal painted surfaces and/or poorly ventilated drying rooms. Ensure adequate warmth and ventilation. Optimum through-drying and hardening of the entire layer is ensured with material application of max. 100 µm per coating. Avoid higher wet-layer thicknesses, e.g. when spraying on horizontal surfaces, as this will delay through-drying considerably.

EC DIRECTIVE 2004/42/CE

The Heizkörper Lack product falls below the maximum VOC value of product category i (500 g/l) and is therefore VOC-compliant.

VDL DECLARATION

Alkyd resins, (mineral and/or organic pigments, depending on the colour shade), mineral white pigments, aliphatic

hydrocarbon mixtures, glycol ether, wetting agents, surface additives, driers, antioxidants, antifoaming agents, rheology additives

GISCODE BSL40

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. 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. 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, along with the current SDS: www.suedwest.de.

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