

TECHNICAL DATA SHEET

30555 AQUAVISION HEIZKÖRPERLACK



AREA OF APPLICATION

Water-based gloss special-purpose paint for renovating existing coatings on or applying new coatings to hot water radiators, piping, and other wall structures that have been primed in compliance with DIN 55900. Can be used as an intermediate coat or finishing coat for primed metals including cast iron, steel, and copper, or as a renovation coat for existing coatings. A test report in accordance with the DIN EN 71-3 inspection standard (European toy safety standard) is available.

PROPERTIES

- water-dilutable
- Low-odour
- gloss
- High whiteness
- Good hiding power
- Good edge coverage
- Resistant to yellowing
- Quick-drying
- Heat-resistant up to +120°C
- Low tendency to yellowing at temperatures < 60°C
- Good adhesion
- Resistant to solvent-free household cleaning agents

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: bright colour shades as desired, e.g. RAL, NCS, or others.

CONTAINER: 375 ml, 750 ml, 2.5 l

COVERAGE: approx. 80 – 100 ml/m² per coating

GLOSS LEVEL: gloss

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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 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

SUBSTRATE PREPARATION:

The substrate must be resistant, clean, dry, and free from wax and grease. Check the resistance of existing paint coats. Clean existing paint coats with good adhesion.

Prime substrates that have not been pre-treated, exposed edges, and bare metal parts.

EXISTING COATINGS:

If necessary, prepare by applying SÜDWEST AquaVision All-Grund or SÜDWEST All-Grund in accordance with the Technical Data Sheet.

CAST IRON:

Prepare with SÜDWEST All-Grund in accordance with the Technical Data Sheet.

STEEL AND COPPER:

Prepare with two coats of undiluted SÜDWEST AquaVision All-Grund in accordance with the Technical Data Sheet.

APPLICATION

Apply 1 – 2 coats undiluted by painting, by roller, or by spraying. Use acrylic coating tools, soaking them in water prior to use then shaking off excess liquid.

For application by spraying, dilution with 5 – 10 % water is permitted.

APPLICATION CONDITIONS:

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

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure/quantity	Air pressure	Thinning
High pressure	2.0 mm	-	2.0 bar	approx. 5–10 %
Low pressure	Medium	approx. 3/4	Max.	approx. 5–10 %
Airless	0.008" – 0.012"	160–190 bar	-	Undiluted

Airless temp. (55°)	0.008" – 0.012"	130– 160 bar	-	Undiluted
Airmix	0.008" – 0.012"	120– 160 bar	1.0– 2.0 bar	Undiluted

NOTE:

Do not apply to warm substrates. To avoid loss of gloss, do not start using heating systems until after the paint has dried if possible. Ensure good ventilation when using heating systems for the first time after the paint has been applied.

TOOL RECOMMENDATION:

For application by brush, we recommend using paint brushes with plastic fibre bristles. Foam rollers are suitable for rolling on small surfaces. On larger surfaces, apply the material with a microfibre paint roller, then go over immediately with a fine foam roller.

THINNING/TOOL CLEANING:

Clean water (drinking water quality). During longer breaks and at the end of work, wash the tools with water, then once again with soapy water, and rinse.

DRYING

(at +20°C / 60 % rel. humidity)
Dust-dry: approx. 1 h
Tack-free: approx. 2 h
Over-coatable: approx. 8 h
Fully dry: approx. 1 – 2 days

EC DIRECTIVE 2004/42/EC:

The AquaVision Heizkörperlack product falls below the maximum VOC value of product category d (130 g/l) and is therefore VOC-compliant.

VDL (GERMAN PAINT AND PRINTING INK ASSOCIATION) DECLARATION:

Acrylate dispersions, mineral white pigments (mineral and/or organic pigments depending on the colour shade), water, glycols, alcohol esters, wetting agents, antifoam agents, neutralising agents, polyurethane thickeners, corrosion inhibitors, storage protection based on chloromethylisothiazolinones, methylisothiazolinones, and benzisothiazolinones

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

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

DISPOSAL

Only recycle empty containers. Dispose of them in accordance with legal requirements.

TECHNICAL CONSULTATION

Our sales representatives 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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