

TECHNICAL DATA SHEET

30014 AQUAVISION PU-AIRLESS VORLACK



AREA OF APPLICATION

AquaVision PU-Airless Vorlack is an undercoat lacquer for the efficient coating of prepared substrates with an airless spray process. The product is suitable for producing smooth surfaces with even absorption capacity.

PROPERTIES

- Low-odour
- Efficient application on large surfaces
- Excellent non-sag properties and filling properties
- Fine spray pattern
- Rapid drying
- Excellent hiding power
- Highly suitable for sanding
- Stain-blocking effect against many wood constituents

COLOUR SHADE: 9110 white

CONTAINER: 5 l

COVERAGE: approx. 200 – 400 ml/m²

GLOSS LEVEL: mid sheen (approx. 10 GU at 60°)

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

Primed timber and engineered wood, load-bearing existing coatings, primed substrates such as metals and plastics.

SUBSTRATE PREPARATION:

PRIMED SUBSTRATES:

Sand and clean surfaces thoroughly.

EXISTING COATINGS:

Check for a firm hold. Completely remove existing non-load bearing coatings and build up again according to the substrate. Thoroughly clean and sand load-bearing existing coatings.

APPLICATION

Stir well and apply undiluted by spraying.

	Airless	Temp Spray	Airmix
Nozzle width	0.010"–0.012"	0.010"–0.012"	0.010"–0.012"
Material pressure	180 bar	Min. 120 bar	Min. 120 bar
Spray angle	20°–40°	20°–40°	20°–40°
Temperature	-	40°C	-
Air pressure	-	-	Approx. 2 bar

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.

THINNING/TOOL CLEANING:

Clean water (drinking water quality). During longer rest 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, 100 µm wet-layer thickness).

Dust-dry and tack-free: approx. 1 h
Over-coatable: approx. 12 h

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

Note:

The surfaces can be sanded by machine (180 – 240 graining) after drying overnight.

SPECIAL INFORMATION

SÜDWEST AquaVision PU-Airless Vorlack contains what is known as a tannin blocker, which isolates specific wood constituents (tannins) and prevents unwanted yellowish bleeding. The extent of the stain-blocking effect is determined by many factors including the nature of the ingredients, the applied layer thicknesses, and when the product is over-coated with a finishing lacquer. Through-drying is delayed for wet layer thicknesses >200 µm; this can reduce the stain-blocking effect. Therefore, longer drying times are recommended for high layer thicknesses. For larger projects, we generally recommend applying a sample

coating to test the extent of the stain-blocking effect.

EC DIRECTIVE 2004/42/CE

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

VDL DECLARATION

Acrylate dispersions, (mineral and/or organic (white) pigments depending on the colour shade), mineral extenders, water, glycols, neutralising agents, wetting agents, dispersing agents, antifoam agents, thickeners, tannin blocker, storage protection based on 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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