



TECHNICAL DATA SHEET

30315

LBN-400

AREA OF APPLICATION

Matt, quick-drying, PUR-reinforced, alkyd resin lacquer for high quality spray or paint finishes. Suitable for single-component finishes on industrial constructions and machines, as well as in the agricultural sector. Please refer to the specific instructions for exterior applications.

PROPERTIES

- Easy to apply
- Quick drying, good final hardness
- Excellent flow properties
- Heat-resistant up to 80°C
- PUR-reinforced
- Resistant to petrol, diesel fuel, oils, and diluted acids (temporary exposure)
- Safe for wash bays
- Free from aromatic compounds (VdL-RL-01)
- Can be applied to surfaces that have been derusted by hand

COLOUR SHADE: available in RAL colour shades and typical machine colour shades.

CONTAINER: 1 l, 5 l

COVERAGE: 80 – 120 ml/m² per coating

GLOSS LEVEL: silk 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 coatings 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:

EXISTING COATINGS:

Check for a firm hold. Completely remove existing non-load bearing coatings and build up again according to the substrate. Clean and thoroughly sand load-bearing existing coatings; prime defects with SÜDWEST LBN-100.

IRON AND STEEL:

Derust and prime with SÜDWEST LBN-100.

ZINC:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger and prime with 2 coats of SÜDWEST All-Grund.

RIGID PLASTICS:

Clean with SÜDWEST Zink- und Kunststoff-Reiniger and prime with SÜDWEST All-Grund.

ALUMINIUM (NON-ANODISED):

Clean with SÜDWEST Kupfer- und Alu-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 6. Prime with one coat of SÜDWEST All-Grund.

APPLICATION

Stir well and apply generously and undiluted by spraying. Undiluted application by painting or by roller is possible.

HIGH-PRESSURE SPRAYING:

e.g. with SATAjet 3000RP/SATAjet RP

Nozzle: 1.6/1.8 mm

Pressure: 1.5 – 2.0 bar

Dilution addition: 5 - 10%.

Pressure and nozzle parameters for other sprayers should be set in compliance with the relevant equipment manufacturer's specifications. For more information about alternative SATA sprayer tools, go to www.suedwest.de (Service/Download brochure)

DILUTION:

If necessary, dilute with alkyd resin lacquer thinner (aromatic-free) or alternatively with SÜDWEST Schnellhärter.

TOOL CLEANING:

Clean with alkyd resin lacquer thinner after use. Dispose of cleaning agents properly.

DRYING

(+20°C / 60 % rel. humidity)

Tack-free: after approx. 3 h

Can be painted: after approx. 8 h

Safe for installation and assembly: after approx. 12 h

Fully mechanically and chemically resistant: after 7 days

For optimum through-drying of LBN-400, do not exceed layer thicknesses of 60 – 100 µm per application cycle. If thicker

layers are necessary (for colour shades with poor coverage, for example), apply an initial thin layer approximately 70 µm thick and leave to flash off overnight. Perform a second application cycle the following day.

Accelerated drying:

Accelerated drying in a furnace at 60 – 80°C is permitted after a flash-off time of approx. 15 minutes. This can significantly reduce installation and assembly reliability. Accelerated drying can lead to changes in colour shade during drying. Drying delays are possible in the case of horizontal painted surfaces and/or poorly ventilated drying rooms. Ensure adequate warmth and ventilation.

RESISTANCE DATA

Substances	Stress duration	LBN 300 gloss	LBN 400 silk matt
Petrol	24 h	1	1
Diesel	24 h	0	1
Hydraulic oil	24 h	0	0
Engine oil	24 h	0	0
Battery acid	24 h	0	2
Caustic soda (10 %)	1 h	3	3

Assessment and resistance data after drying for 7 days at ambient room temperature.

Assessment scheme:

- 0 = no visible change
- 1 = minor change affecting gloss and colour shade
- 2 = visible marking, no damage to surface texture
- 3 = sample surface area damaged beyond repair

SPECIAL INFORMATION

Drying can be accelerated by adding up to 10 % SÜDWEST Schnellhärter. The material has a pot life once ready to use and should be applied within 2 hours. Solvent-based alkyd resin lacquers have a characteristic odour which may still be perceptible after drying. For large-area application in common rooms, we

therefore recommend using SÜDWEST water-based paints which are recommended for indoor use.

LBN-400 (silk matt) is weather-resistant. Due to the product's matt finish, exposure to strong solar radiation may accelerate chalking and changes in colour shade compared to products with a gloss finish. We therefore recommend using LBN-300 (gloss) for exposure to strong solar radiation.

White and light colour shades have a tendency to yellow when exposed to artificial light or insufficient natural light. This is typical of the product and is therefore not a cause for complaint. To avoid mistakes with colour shades, the colour shade must be tested prior to application in the project. Complaints about mistakes with colour shades cannot be accepted after application.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26:

Class: C, group: 1 – 3 depending on the colour shade

VDL DECLARATION

Alkyd resins (mineral and/or organic pigments, depending on the colour shade), mineral fillers, aliphatic hydrocarbon mixtures, alcohols, wetting agents, phyllosilicates, antifoaming agents, corrosion inhibitors, amorphous silicic acids, driers, surface additives, interface additives, antioxidants

GISCODE BSL40

VOC CONTENT approx. 450 g/l

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 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.

STATUS: 2026/JULY/KM