



TECHNICAL DATA SHEET

30310

SÜDWEST LBN-300

Area of application:

Inside and outside. Shiny, quick-drying, PU

Reinforced synthetic resin varnish for high-quality, hard-wearing spray or brush coatings. Suitable for one-component paintwork on agricultural machinery, construction machinery, commercial vehicles, as well as structures and machines in industry.

Product properties:

- easy processing
- quick drying, high final hardness
- very good flowability
- heat-resistant up to 80°C
- PU reinforced
- resistant to gasoline, diesel fuel, oils and diluted acids for temporary exposure
- car wash safe
- aromatic-free (VdL-RL-01)
- applicable to hand-derusted surfaces

Color shades: RAL colors and typical machine colors available

Packing: 1 l, 5 l

Consumption: 80 - 120 ml/m² per coat

Gloss: glossy

Application:**General rules:**

The preparation of the surface and the execution of painting work must correspond to the current status of the technology. All coatings and preparatory work should always be based on the object and the requirements to which it will be exposed. Please see the current BFS information sheets published from the Federal Committee for Paint and Property Protection. Please, take a look also at VOB, part C DIN 18363, paragraph 3 painting and varnishing work.

The further treatment/removal of paint layers such as grinding, welding, burning etc. can be dangerous – may cause dust and/or steam. Carry out work only in good in ventilated areas. Use an adequate (breathing) protective equipment if necessary.

All surfaces must be clean, dry, stable and free of separating substances. Unsafe substrates must be checked for load-bearing capacity and suitability for subsequent coatings. If necessary, test area by applying and checking adhesion by cutting and/or tearing off the fabric tape. For coating structure - intermediate sanding should be carried out between the individual coatings.

Substrate preparation:

Old paintwork:

Check for tight fit. Remove completely if not load-bearing and recoat depending on the substrate.

Old load-bearing coatings - clean and thoroughly sand. Prime any defects with SÜDWEST LBN-100.

Iron, steel:

Remove rust and prime with SÜDWEST LBN-100.

Zinc:

Clean with SÜDWEST zinc and plastic cleaner. Prime twice with SÜDWEST All-Grund.

Hard plastics:

Clean with SÜDWEST zinc and plastic cleaner. Prime with SÜDWEST All-Grund.

Aluminum:

Clean with SÜDWEST copper and aluminum cleaner and with Prime SÜDWEST 2K Epoxy Filler Primer (thin layer). Then apply an intermediate coat of SÜDWEST All-Grund.

Processing:

Stir well and spray undiluted and generously. Undiluted brushing or rolling possible.

Spraying high pressure:

e.g. with SATAjet 3000RP/SATAjet RP

Nozzle: 1.6/1.8mm

Pressure: 1.5 - 2.0 bar

Pressure and nozzle parameters for other sprayers according to the information provided by the respective device manufacturer. More information regarding alternative SATA spraying tools can be found below www.suedwest.de (service / brochure download)

Dilution/tool cleaning:

Synthetic resin varnish thinner (aromatic-free)

Drying: (+ 20°C / 60% relative humidity)

tack-free: after approx. 3 hours

Can be painted over: after approx. 8 hours

ready for assembly: after approx. 12 hours

Mechanically and chemically fully resistant: approx. 7 days

For optimal drying of LBN-300, the maximal layer thicknesses of 60 – 100 µm per work step cannot be exceeded. If higher layer thicknesses are required for poorly covering shades, paint in a thin layer of approx. 70 µm and let it flash off overnight. Carry out a second painting the following day.

Forced drying:

After approx. 15 minutes of flash-off time, it can be placed in the oven at 60 - 80°C forced drying. The assembly strength can be significantly reduced. Forced drying can cause color changes during drying. Drying delays may occur if horizontal surfaces are painted and/or there is insufficient ventilation in the room. Ensure sufficient warmth and ventilation.

Resistance against

Substance	Exposure duration	LBN 300 glossy	LBN 400 silk matt
gasoline	24 hours	1	1
diesel	24 hours	0	1
Hydraulic oil	24 hours	0	0
Engine oil	24 hours	0	0
Battery acid	24 hours	0	2
caustic soda (10%)	1 hours	3	3

Evaluation and resistance after 7 days of drying at room temperature.

Evaluation scheme:

0 = no visible change

1 = little change in gloss and color

2 = Marking visible, surface structure undamaged

3 = sample area destroyed

Special instructions:

Drying can be accelerated by adding up to 10% SÜDWEST quick hardener. The set material has a pot life and should be processed within 2 hours. Solvent-based alkyd resin paints have an odor that is typical of the material and can still be noticeable after drying. We therefore recommend using SÜDWEST water-based paints for interiors for large areas White and light shades tend to yellow when exposed to artificial or insufficient natural lighting. This is typical feature of the product and therefore no reason for complaint. In order to prevent color errors, the color must be checked on the object before processing. Complaints about color errors made after processing will no longer be recognized.

Color stability according to BFS data sheet No. 26:

Class: B, Group 1 - 3 depending on the color

VDL declaration:

Alkyd resins (depending on the color, inorganic and/or organic pigments), aliphatic hydrocarbon mixtures, wetting agents, anti-foam agents, corrosion inhibitors, dry substances, surface additives, interface additives, antioxidants

GISCODE: BSL40

VOC content: approx. 430 g/l

General safety advice:

Ensure good ventilation during the processing and drying of paints and varnishes. Keep away from food, drinks, and feed. Avoid contact with eyes and skin. Do not inhale dust when sanding. Use only in well-ventilated areas. Do not eat, drink, smoke or blow nose at work. Keep out of reach of Children. Do not discharge into the drains or waterways. When polluting rivers, lakes or sewers notify the relevant authorities in accordance with local laws.

Further information can be found in the current safety data sheet: www.sudwest.de.

Storage:

Seal opened containers airtight. Store cool but frost-free.

Disposal:

Only empty containers are suitable for recycling. The current legal regulations must be observed for disposal.

Technical advice:

Regarding all questions that have not been answered by this technical data sheet send an email to info@sudwest.sk