

TECHNICAL DATA SHEET No. 215



LawiDur 2-K-PU-Buntlack

silk glossy and high glossy

colour matching with **einZA mix**

I. Product

einZA mix Lawidur 2-K-PU-Buntlack is a high quality 2-component-coating material for surfaces in areas with high demand for chemical or mechanical resistance.

Type of material	2-component-PU-coating for outside and inside application
Application purpose	protective coating for machines, industrial plants, pipes and similar in chemical and petro-chemical plants, wet areas (for example laundries, slaughterhouses, cool storage rooms etc.) paper mills, laboratories etc.
Colour shades	white and a range of colour shades obtained by using einZA mix paint mixing system (einZA mix L Industrie)
Gloss level	silk glossy and high-glossy
Specific weight	1,17 - 1,28 g/cm ³ (ready-to-use mixture)
Binder basis	combination of polyurethane / acrylic resin
Pigment basis	light-resistant and weatherproof pigments
Temperature-resistant	up to 120 °C (depending on the colour shade)
Mixing ratio (weight parts)	master batch: hardener = 5,4 : 1 (base 3) or 6,2 : 1 (base 2)
Mixing ratio (vol. shares)	master batch: hardener = 5,3 : 1
Package sizes (master batch and hardener)	einZA-mix: 1 l - 3 l - 10 l

II. Properties and working instructions

Light resistance	very good
Chemical resistance	resistant to many acids and lye, to fuels, lubricating oil, bore oil, hydraulic oil, salt solutions, sea water, fresh water, cleaning agents, grease, alcohol and many other solvents.
Scrub resistance / Weather resistance / Adhesion / Elasticity / Impact resistance	exceeds the requirements of the DIN and VOB conditions
Special properties	good electric insulation capacity and good ease of decontamination
Dilution	einZA Lawidur-Spezialverdünnung
Brushing and rolling	undiluted (if necessary add up to max. 5% thinning agent)
Spraying	use einZA Lawidur-Spezialverdünnung to regulate the spraying viscosity (see manufacturer's notices)

P.T.O.

Drying times (20 °C, 65 - 75 % rel. air humidity, 80 µm wet film)	dust-dry after approx. 10 - 15 minutes hand-dry after approx. 20 - 30 minutes touch-dry after approx. 60 minutes dry after approx. 6 hours after 7 days of hardening fully stressable
Pot life at 20 °C	max. 8 hours
Spreading rate	approx. 8 - 10 m ² (80 - 100 ml/m ²) with 1 l of the ready-to-use mixture
Recoatable	after drying over night. In case of a multicoat system the next coat should be applied after a hardening time of not longer than 24 hours in order to achieve a sufficient intermediate adhesion. Otherwise an intermediate sanding is necessary.
Processing regulations	do not process at temperatures below +10°C and a rel. air humidity of more than 75%. Tools, compressed air and surfaces to be coated have to be dry, as humidity may cause deficiencies on the surface. When processing on vertical surfaces pre-spray shortly.
Cleaning of tools	use einzA Lawidur-Spezialverdünnung or einzA Universal-Nitroverdünnung

III. Coating and/or applying technique

einzA mix Lawidur 2-K-PU-Buntlack is especially suitable for highly stressable coatings on metal and concrete surfaces. Metal surfaces have to be primed with einzA (mix) Lawirostal, concrete surfaces have to be primed with einzA Lawidur-Imprägnierung. The objects to be treated have to be clean and dry, free of dust, rust, grease and oil.

For coatings which will be exposed to high mechanical or chemical demands several final coats are necessary.

The containers contain the exact quantities of master batch and hardener.

Before processing both components - master batch and hardener - have to be mixed thoroughly.

Let the ready-to-use mixture pre-react for approx. 15 min. Only then add the dilution if necessary.

Coating on wood (e.g. soft plywood and hardboards)

Prime coat with einzA Lawidur-Imprägnierung

Intermediate coat with einzA (mix) Lawirostal 2-K-Epoxi-Primer

1 - 2 final coats with einzA mix Lawidur 2-K-PU-Buntlack

Coating on iron and steel

Remove old coatings, derust surfaces in an appropriate manner according to the known rules and prime with einzA (mix) Lawirostal 2-K-Epoxi-Primer (twice outside)

Intermediate coat with einzA mix Lawidur 2-K-PU-Buntlack

Final coat with einzA mix Lawidur 2-K-PU-Buntlack

Coating on concrete

Concrete surfaces must have dried for at least one month.

The surface has to be stable, free of laitances, sinter layers and other contaminations.

Prime coat with einzA Lawidur-Imprägnierung

Intermediate coat with einzA (mix) Lawirostal 2-K-Epoxi-Primer

1 - 2 final coats with einzA mix Lawidur 2-K-PU-Buntlack

IV. Security advice and labelling

The product is subject to the Ordinance on Hazardous Substances.

All necessary advices are included in the Safety Data Sheet according to the CLP regulation (GHS) corresponding to the regulation (EG) no. 1272/2008. At any time available at www.einzA.com or to be requested by sdb@einzA.com.

Labeling notes on the container labels have to be considered !

P.T.O.

einZA (mix) Lawidur 2-K-PU-Buntlack master batch (A-component)

Flash point 40 °C

Hazardous class to VbF not applicable

einZA (mix) Lawidur 2-K-PU-Buntlack hardener (A-component)

Flash point 38 °C

Hazardous class to VbF not applicable

VOC-content regarding enclosure II of the VOC guideline 2004/42/EG

VOC limit value enclosure II A (sub-category j)

Lb: max. 550 g/l reg. level I (2007) and max. 500 g/l reg. level II (2010)

VOC-content of einZA mix Lawidur 2-K-PU-Buntlack: <500 g/l

The previous information has been conscientiously compiled according to the present state of knowledge of test technology and should serve as a guideline. Due to the multitude of uses and working methods, it is non-binding, does not establish any contractual legal relationship and does not release the consumer from his own responsibility of checking our products himself. Otherwise, our conditions of delivery and payment apply.

Issued 02/2021; with this, all previous specification sheets are invalid.