

TECHNICAL DATA SHEET No.010



Lawirostal 2-K-Epoxi-Primer

Colour matching with **einZAmix**

I. Product

einZA Lawirostal 2-K-Epoxi-Primer is a high-quality, adhesion enhancing 2-component primer on epoxy resin basis for corrosion protection of iron and steel, zinc, galvanized surfaces, aluminium and other non-ferrous metals like for example copper as well as glass fibre reinforced plastics (polyester) and hard PVC. einZA Lawirostal 2-K-Epoxi-Primer has excellent adhesion characteristics on difficult surfaces such as V₂A- or V₄A-steel and on enamelled or ceramic tiles.

High rust protection and chemical loading capacity provide the adhesion of following coatings and coverings with highest loads. The hardened prime coat can be recoated with all einZA materials. einZA Lawirostal 2-K-Epoxi-Primer is the anti-corrosive and adhesion enhancing component for the einZA Lawidur 2-component-PU-system, for the einZA LawiPur-System and for the 2-component einZA Industrielacke.

Type of material	solvent based 2-component epoxy resin primer
Application purpose	excellent adhesive, anti-corrosive primer for iron, steel, zinc, aluminium, copper and other with very good mechanical and chemical durability. Also suitable for glass reinforced plastics and thermosetting plastics. Object-related also for Glasal tiles (please consider point III applying technique)
Colour shades	white and grey, other colour shades obtained by using einZA mix paint mixing system (einZA mix L Industrie with base paint 4)
Gloss level	matt
Specific weight	approx. 1.39 (ready-to use mixture)
Binder basis	epoxy resin (2-component)
Pigment basis	lead- and chromate-free colour pigments, rust inhibitors (zinc phosphate) and fillers
Mixing ratio	4 : 1 (vol. shares) resp. 6.5 : 1 (gravimetric)
Package sizes	Standard 750 ml - 2.5 l - 10 l einZA mix 1 l - 3 l - 10 l

II. Properties and working instructions

Light resistance	good
Temperature resistance	up to approx. 120 °C
Chemical resistance	resistant to water, saline solutions, lye, fuels, lubricating oil, mineral and vegetable oils and many solvents; saponification resistant.
Scrub resistance / Weather resistance / Adhesion / Elasticity / Impact resistance	fulfils the requirements of the DIN and VOB conditions and partially exceeds these
Compatibility	do not mix with other products
Dilution	einZA Epoxi-Spezial-Verdünnung
Brushing and rolling	undiluted

P.T.O.!

Spraying (only in closed areas)	high-pressure: adjust with 10 - 15 % einzA Epoxi-Spezial-Verdünnung - nozzle: 1.2 - 1.5 mm
Airless spraying	undiluted - nozzle: 0.011 inch (= 0.28 mm)
Drying times (20 °C, 65 - 75 % rel. air humidity, 90 µm wet film)	dust-free after approx. 20 min. touch proof after approx. 2 hours hardened after approx. 16 hours final hardness after approx. 7 days
Recoatible	after approx. 24 hours at 20 °C
Rework notice	before rework an intermediate sanding is necessary
Processing regulations	Do not process at temperatures below +5 °C and a rel. air humidity over 75 %. With temperatures below 20 °C the above mentioned values for drying time, pot life and final hardness will increase, with higher temperatures the times will decrease. Do not apply on wet surfaces. When processing on vertical surfaces pre-spray shortly.
Pot life at 20 °C	max. 8 hours, higher temperatures will shorten pot life
Spreading rate	approx. 10 - 12 m ² with 1 l of the ready-to-use mixture
Cleaning of tools	with einzA Epoxi-Spezial-Verdünnung or einzA Universal-Nitroverdünnung

III. Coating and/or applying technique

einza Lawirostal 2-K-Epoxi-Primer is an excellent adhesive primer and corrosion protection primer for outside and inside application. einzA Lawirostal 2-K-Epoxi-Primer can be recoated with all water-dilutable and solvent based einzA top coat systems and is the anti-corrosive and adhesion enhancing component for the einzA Lawidur 2-component-PU-system.

Also suitable for recoating with einzA LawiPur BW.

Coating on iron and steel

Derust and clean surfaces according to the known rules so that the surface to be treated is free of mill scale and scales, clean, dry and free of grease. Then coat, once inside, twice outside, with einzA Lawirostal. In case of higher requirements or depths of surfaces (sandblasted surfaces) a further coat with einzA Lawirostal 2-K-Epoxi-Primer is recommended. The coating has to be applied immediately after blasting.

Coating on zinc resp. galvanized surfaces

Prepare according to BfS specification sheet no. 5 "Anstrich auf Zink und verzinktem Stahl". Clean and degrease the surface with diluted liquid ammonia after adding some surfactant (for example Pril) or with phosphoric acid cleaning agents. Remove white film of corrosion products with Perlon or nylon fleece (for example Scotch Britt). Wash thoroughly afterwards with plenty of clear water. Application of einzA Lawirostal 2-K-Epoxi-Primer on the completely dry surface.

Coating on aluminium

Prepare according to BfS specification sheet no. 6 "Anstriche auf Bauteilen auf Aluminium". Clean and degrease with einzA Universal-Nitroverdünnung, degreaser or phosphoric acid containing special cleaner. Remove corrosion products with Perlon or nylon fleece (for example Scotch Britt).

Application of einzA Lawirostal 2-K-Epoxi-Primer on the clean and dry surface.

Anodized surfaces (surface-treated aluminium surfaces) have a particularly resistant surface and therefore have to be sanded down thoroughly before coating. After corresponding preparatory work including all necessary extra work follows the adhesion enhancing prime coat with einzA Lawirostal 2-K-Epoxi-Primer.

Coating on glass fibre reinforced plastics (polyester) and hard PVC

Clean thoroughly the surfaces from grease, dirt, dust or other types of contamination.

Sand down smooth surfaces. Then coat with einzA Lawirostal 2-K-Epoxi-Primer.

P.T.O.!

Coatings on non-ferrous metals such as copper

Clean and degrease the surface with a neutral cleaner or with phosphoric acid containing cleaning agents. Sand with nylon fleece or Perlon and wash afterwards thoroughly with plenty of clear water.

Application of einZA Lawirostal 2-K-Epoxi-Primer on the clean and dry surface.

Coatings on weathered off glasal tiles

Weathered off façade tiles made of glasal may be coated after pre-treating accordingly with einZA Lawirostal 2-K-Epoxi-Primer as adhesion enhancing primer. Thoroughly clean the surface from grease, pollution, dust or other contaminations. Sand even surfaces. Then clean thoroughly with plenty of clear water.

This practice is only possible on glasal tiles with inserted nuts with freely accessible cutting edges which have necessarily also be pre-treated and primed. Glasal tiles on façade surfaces with non-accessible cutting edges which have been embedded resp. plugged with silicone or other sealants may not be coated.

We recommend the judgement by our competent field stuff and building of a trial zone.

Notices:

At production of the ready-to-use mixture thoroughly mix together master batch and hardener and then let it set for approx. 15 - 20 minutes. With spray processing add the necessary thinning amount only after this time for setting.

An intermediate sanding is essential before coating.

IV. Security advice and labeling

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 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 !

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

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

Lb: max. 500 g/l reg. level II (2010)

VOC-content of einZA (mix) Lawirostal 2-K-Epoxi-Primer: < 450 g/l

The details given above have been compiled in accordance with knowledge of state-of-art testing technology and are to be considered as directives. Because of the manifold methods of application and working these are without commitment and give no grounds for any contractual legal relationship and, moreover, do not release the user from testing our products as to their suitability at his own responsibility. In all other respects our general terms of business are valid. **Issued 11/2021**; as a result of which all previous memorandum sheets become invalid.