

TECHNICAL DATA SHEET No.291



Korral-Top Rostschutzlack

I. Material

Compact thick film anti-rust lacquer for surfaces of iron and steel, for example garden gates and fences, metal lattices etc. Usable not only on untreated but also on already coated and slightly rusted surfaces because of the "anti-rust active" formula. Being a rational 1-pot-system it is the perfect all-rounder for all kinds of renovation coatings on metal, zinc and galvanized steel, non-ferrous metal and plastic (duromers and coatable plastomers). einZA Korral-Top Rostschutzlack is excellent adhesive and has a durable rust protection combined with good weather and UV resistance.

Type of material	universal adhesive anti-rust lacquer, also directly on rust
Application purpose	thick film anti-rust surface protection for efficient new and renovation coats on metal, zinc and galvanized steel, non-ferrous metal as well as for thermosetting plastic, usable for GRP and rigid PVC
Colour shading	white as well as variety of colour shades tintable with the einZA-mix Farbmisch-System
Degree of gloss	matt till silk-matt (depending on layer thickness) = 15 - 20 GU (60°)
Specific weight	approx. 1.350 - 1.370 = 1,350 - 1,370 g/l (depending on colour shade)
Binder basis	medium oil alkcyd resin based on special fatty acids
Pigment basis	high-quality colour pigments, fillers, talc, zinc phosphate and stabilising agents
Solid content	68 - 73 weight %, depending on colour shade
Temperature resistance	up to max. 120 °C
Package sizes	1 l - 3 l

II. Properties and working instructions

Weather and UV resistance	fulfils the requirements of the DIN and VOB conditions
Adhesion	very good corresponding to DIN EN ISO 2409 (cross cutting test)
Bending tensile strength	very good corresponding to DIN EN ISO 1542
Stretchability and bond strength	very good (tested with mandrel flex test corresponding to DIN EN ISO 1519)
Elasticity and adhesion	very good corresponding to DIN EN ISO 1522 (pendulum hardness according to König)
Note	In case of intensive and dark colour shades mechanical stress may cause temporary pigment abrasion on the coating surface. This represents state-of-the-art technology for matt and silk-matt lacquer systems and gives no cause for complaint.

Compatibility	do not mix with other products
Spreading rate	5 - 6 m ² /l = 180 - 200 ml/m ²
Drying time (20 °C, 65 - 75% rel. air humidity., 180 - 200 µm wet film)	dust-free after approx. 2 hours – tack-free after approx. 4 hours

Processing

Sandable	approx. after 48 hours
Reworkable	approx. after 24 hours

P.T.O.!

Applying technique	Because of the product-specific characteristics einzA Korral-Top Rostschutzlack should only be applied by brushing or rolling on.
Airless spraying	undiluted, usable for medium up to large piston and diaphragm devices. Pressure: approx.. 160 bar - Spraying angle: 20 up to 40° - Nozzle: 210 – 410.
Thinner	undiluted, einzA Korral-Top Rostschutzlack is ready-to-use
Tools	For the application by brushing on we recommend a ring brush or a soft whitewash brush for example STORCH ClassicStar and for the application by rolling on a short-pile paint roller for example STORCH UniSTAR fil to ensure the best possible saturated material application
Cleaning of tools	with einzA Lackverdünnung or einzA Universal-Nitroverdünnung
Storage	in closed containers virtually unlimited

III. Coating and/or applying technique

The durability of a coating mostly depends on the accurate pretreatment of the surface.

The surface has to be clean, dry, free of grease and oil as well as other pollutions.

The surfaces to be coated with einzA Korral-Top Rostschutzlack have to be tested for their suitability and stability.

Surface treatment „Coating on zinc resp. galvanized surfaces“

Pretreatment according to BfS specification sheet no. 5 "Anstrich auf Zink und verzinktem Stahl". Clean and degrease the surface with leach, liquid ammonia after adding some surfactant (for example Pril) or with cleaning agents suitable for galvanized surfaces like for example einzA Aktivreiniger.

Wet sanding of the entire area with Perlon or nylon fleece (for example Scotch Brite), incl. all necessary extra work and protective measures.

Rinse thoroughly with plenty of clear water afterwards. Ensure a proper drying afterwards.

Surface treatment “Coating on aluminium“

Prepare according to BfS specification sheet no. 6 "Anstriche auf Bauteilen auf Aluminium". Clean and degrease with a cleaner suitable for aluminium surfaces like for example einzA Aktivreiniger. Wet sanding of the entire area with Perlon or nylon fleece (for example Scotch Brite), incl. all necessary extra work and protective measures.

Rinse thoroughly with plenty of clear water afterwards. Ensure a proper drying afterwards.

Surface treatment „Coating on glass fibre reinforced plastics (polyester) and hard PVC“

Clean and degrease thermosetting plastic and hard PVC with einzA Aktivreiniger, then sand down with Perlon or nylon fleece (for example Scotch Brite) and rinse thoroughly with plenty of clear water afterwards. Please consider details in the BfS specification sheet no. 22.

Surface treatment „Coatings on non-ferrous metals such as copper“

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

Surface treatment „Coating on iron and steel surfaces“ (C1 to C 3 according to DIN EN 12 944)

According to DIN EN ISO 12 944 part 4 iron and steel has to be derusted appropriately and in such a professional way that the surface to be treated is free of mill scale and scales, clean, dry and free of grease.

Degree of surface preparation: SA 2 or SA 2 ½.

Surface treatment „Renovation coatings on old coatings and slightly rusted steel and iron surfaces“

Stable and perfectly adhesive old coatings (tested by cross cutting test) have to be cleaned thoroughly, sanded and dedusted. Requirements of the BfS specification sheet no. 20 "Baustellenübliche Prüfungen zur Beurteilung des Untergrundes" have to be considered.

In case of doubt a trial coat should be made.

Not sustainable old coatings have to be removed completely and have to be treated like a new coating concerning the surface treatment.

Rust particles on slightly rusted steel and iron surfaces as well on rusted galvanized metals have to be removed with a fine wire brush.

Slightly sand down well-adherent rusted areas with a synthetic fleece, incl. all necessary extra work and protective measures.

P.T.O. to page 3 !

System structures for surface coatings

Pretreatment according to the matching category of „Surface treatment“.

Condition for a secure and durable surface protection is a sufficient dry coat thickness.

This should be at least 120 µm in case of iron and steel surfaces and 100 µm for all other surfaces.

It will be reached with two saturated coatings of undiluted einzA Korral-Top Rostschutzlack using a brush or with three coatings of undiluted einzA Korral-Top Rostschutzlack by rolling on.

IV. Security advice and labeling

Product code paints and lacquers M-LL01

Giscode BSL 20

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 i) - Lb: max. 500 g/l reg. Level II (2010)

VOC-content of einzA Korral-Top Rostschutzlack: < 400 - 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. **Issue 08/2022**; as a result of which all previous memorandum sheets become invalid.