einzA
Wir bringen Farbe

TECHNICAL DATA SHEET No.233

Lawinit 2-K-Haftprimer

water-based - low odour emission - complex - secure

I. Material

einzA Lawinit 2-K-Haftprimer is a high-quality 2-component-primer on epoxide resin basis for all application areas where a secure adhesion without smell nuisance is requested. The complex adhesion specialist and optimised problem solver for the so called “difficult surfaces” like for example aluminium, eloxal, galvanized steel, stainless steel, enamelled tiles, glazed tiles and plastic surfaces like for example formica etc.

Type of material	water-based 2-component primer with low odour emission
Field of application	complex secure adhesion characteristics on surfaces recognized as critical like for example aluminium, eloxal, galvanized steel, stainless steel, enamelled tiles, glazed tiles and plastic surfaces like for example glass reinforced plastic, formica etc.
Colour shade	white
Degree of gloss	matt
Specific weight	1.075 (hardener) 1.619 (master batch) approx. 1.35 (ready-to-use mixture)
Binder basis	2-component epoxide resin combination
Pigment basis	high-quality color pigments, rust inhibitors (zinc phosphate), extenders and stabilising agents
Solid content	> 58 weight %
Mixing ratio	master batch : hardener = 6 : 4 weight % master batch : hardener = 1 : 1 vol. %
Package sizes	1 l

II. Properties and working instructions

Adhesive power	GT 0 up to GT 1 reg. DIN EN ISO 2409 (cross cut test)
Bending tensile strength	very good reg. DIN EN ISO 1542
Flexibility and adhesion	very good (determined by mandrel flex test reg. DIN EN ISO 1519)
Elasticity and adhesion	very good reg. DIN EN ISO 1522 (pendulum hardness according to König)
Compatibility	do not mix with other products
Dilution	water
For brushing and rolling on	undiluted
Spraying	high pressure: with 10 - 15 % water - nozzle: 1.2 - 1.5 mm airless: undiluted - nozzle: 0.011 inch (= 0.28 mm)

Drying times (20 °C, 65-75 % relative air humidity, 100 µm wet film)

dust-free after approx. 20 min

touch dry after approx. 2 hours

cured after approx. 16 hours - complete hardness after approx. 7 days

P.T.O.!

Recoatable	after approx. 24 hours at 20 °C
Recoating notice	please consider - before recoating an intermediate grinding has to be made
Processing requirements	Do not process at temperatures below + 10 °C and a rel. air humidity over 75 %. At temperatures below 20 °C the above mentioned data for drying, pot life and complete hardness will be increased, in case of higher temperatures the times will be reduced. Do not apply on wet surfaces. In case of vertical surfaces make a quick preparatory coat.
Potlife at 20 °C	max. 8 hours, higher temperatures will reduce potlife
Spreading rate	approx. 10 - 12 m² with 1 litre of the ready-to-use mixture
Cleaning of tools	with water

III. Coating and/or applying technique

The durability of the coating mainly depends on the accurate pre-treating of the surface.
The surface has to be clean, dry, free of grease and oil and other pollutions.

Surface treatment "Coating on zinc resp. on galvanized surfaces"
Pre-treatment according to BfS Merkblatt No. 5 "Anstrich auf Zink und verzinktem Stahl". Cleaning and degreasing of the surface with diluted liquid ammonia and adding a small quantity of surfactant (for example Pril etc.) or phosphoric acidic cleaning agents. Remove white covering of corrosion products with nylon fleece (for example Scotch Britt). Clean with clear water thoroughly. Pay attention to an efficient drying.

Surface treatment "Coating on aluminium"

Pre-treatment according to BfS Merkblatt No. 6 "Anstriche auf Bauteilen auf Aluminium". Cleaning and degreasing with einzA Universal-Nitroverdünnung, degreaser or phosphoric acidic cleaning agent. Remove corrosion products with nylon fleece (for example Scotch Britt).

Surface treatment "Coating on glass fibre reinforced plastics (polyester) and rigid PVC"
Cleaning and degreasing of thermosetting plastics and rigid PVC with einzA Aktiv-Reiniger, afterwards sanding down with nylon fleece (Scotch Britt or similar) and cleaning with clear water thoroughly. Please consider detailed information in the BfS Merkblatt No. 22.

Surface treatment "Coating on non-ferrous metals like for example copper"

Cleaning and degreasing of the surface with a neutral cleaning agent or with phosphoric acidic cleaning agents. Sanding down with nylon fleece and cleaning with clear water thoroughly.

Surface treatment "Coating on stainless steel and eloxal"

Cleaning and degreasing with einzA Universal-Nitroverdünnung, cold cleaning solvent or phosphoric acidic cleaning agent. Remove corrosion products with nylon fleece (for example Scotch Britt). GANZFLÄCHIG ANMATTEN.

Surface treatment "Coating on ceramic tiles and (enamelled) glazed tiles"

Thoroughly cleaning of the surface from grease, pollution, dust and similar with household detergents.
GLATTE FLÄCHEN LEICHT ANMATTEN.
Afterwards thoroughly clean with clear water.

System structure for areas inside and outside

Pre-treatment according to the related category described in "Surface treatment".
Adhesion enhancing prime coat with einzA Lawinit 2-K-Haftprimer.
System prime coat for intermediate and final coating inside with all water-based acrylic-PU lacquers, einzA LawiPur BW and high-quality wall coatings. Intermediate and final coatings with solvent based 1- and 2-component products are possible but are not recommended because of the smell nuisance.

For outside application the intermediate and final coating can be carried out, depending on the stress, with all water-dilutable and solvent based 1- and 2-component products from the einzA product range.

P.T.O.!

Notice:

When formulating a ready-to-use mixture ensure a good mixing of master batch and hardener and than allow to sit for approx. 15 - 20 minutes. In case of application by spraying adding of the necessary dilution ratio after this maturing time. Before recoating an intermediate grinding has to be made.

IV. Security advice and labelling

Flash point	non-inflammable
Hazardous class to VbF	not applicable

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) - Wb: max. 140 g/l reg. level II (2010)

VOC-content of einzA Lawinit 2-K-Haftprimer: < 140 g/l