

TECHNICAL DATA SHEET No. 143



LawiPur-Imprägniergrund

water-dilutable master batch concentrate

I. Product

einZA LawiPur-Imprägniergrund is a water-dilutable, odourless 2-component PU-impregnation and an excellent primer and bonding bridge for the further coating structure with einZA LawiPur BW on mineral surfaces on wood for inside and outside application. einZA LawiPur-Imprägniergrund is a deep penetrating, non film-building but hardening system component for the einZA LawiPur-System.

Type of material	water-dilutable concentrate of a 2-component PU-priming for outside and inside with water as hardening-component
Application purpose	deep penetrating, hardening system primer for system structures with einZA (mix) LawiPur BW and einZA LawiPur-Versiegelung
Colour shades	colourless, after adding the hardener (water) milky-cloudy
Gloss level	silk-glossy to glossy
Specific weight	approx.. 1.09 = 1,090 g/l (master batch)
Binder basis	polyisocyanate - combination
ChemVOCFarbV	at professional and appropriate usage of the ready to use mixture of einZA LawiPur Imprägniergrund it is not film-building
Mixing ratio	master batch : hardener (water) = 1 : 3 to 1 : 5; depending on the absorbency of the surface
Package sizes	1 l - 3 l
Notice	einZA LawiPur-Imprägniergrund is delivered as master batch concentrate only. Water is used as hardener and thinner.

II. Properties and working instructions

Chemical resistance	within the system structure einZA LawiPur BW is resistant to lye, salt solutions, de-icing salt, fuel, mineral oil, alcohol, water and disinfectants
Weather resistance / Adhesion / Elasticity / Penetration depth	fulfills the requirements of the DIN and VOB conditions
Light resistance	very good
Compatibility	do not mix with other products
Spreading rate	approx. 10 - 14 m ² /l for normal and light absorbent surfaces, approx. 5 - 6 m ² /l for strong absorbent surfaces
Dilution and hardener	water
Drying times (20 °C, 65-75 % rel. air humidity)	dust-free after approx.. 4-5 hours - non-adhesive after approx. 6-8 hours Recoatable after 12 hours at the earliest (depending on temperature and air humidity) but within 24 hours, before recoating an intermediate sanding is necessary, please consider. Walkable after drying over night (indicated drying times depend on the applied quantity and absorbency of the surface). With lower temperatures and increased air humidity the drying time will increase. Higher temperatures will shorten the drying time.

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Pot life (20 °C)	The ready-to-use mixture of einzA LawiPur-Imprägniergrund has to be applied within 2 hours. End of pot life is noticeable by a slight, white precipitation. Higher temperatures and air humidity can shorten pot life.
Setting up ready-to-use mixture	The existent master batch of einzA LawiPur-Imprägniergrund has to be mixed with the hardener-component water in a ratio of 1 : 3 to 1 : 5. The water should be mixed in mechanically with a stirrer. With this a homogeneous, milky-cloudy mixture arises which dries colourless. The ready mixture can be applied immediately. During processing the dissolution has to be kept strong through stirring. Do not close containers with ready mixture - Risk of bursting!
Important notice	Do not process at temperatures below +10 °C and over +30 °C (object and air temperature) and a rel. air humidity over 80 %. During and after processing and drying take care of good ventilation so that released humidity can escape and no coating damages occur. Do not apply outside directly before rain or frost.
Cleaning of tools	immediately after use with plenty of water
Storage	cool and dry Keep original containers closed and avoid humidity
Storability	in closed original container at least 1 year

III. Coating and applying technique

einzA LawiPur-Imprägniergrund when applied professional and appropriate within the system structure with einzA (mix) LawiPur BW produces mechanically heavy duty surfaces. einzA LawiPur Imprägniergrund is the deep penetrating, hardening and adhesion enhancing system primer for the einzA LawiPur-System because of its quality characteristics.

Surface preparation:

Basis for the durability of einzA LawiPur-Imprägniergrund is a proper condition of the surface.

The surface has to be solid, dry, free of grease, sustainable and absorbent. Provided by the customer there has to be assured that the surface is isolated against ascending humidity. Loose and substances which seem to separate, for example laitances, sinter layers and rubber abrasion, have to be removed mechanically with adequate tools. Smaller areas can be prepared with grinding machines with steel adaptors; in case of larger areas the surface has to be prepared by shot peening, milling or similar processing. Surfaces have to be dedusted thoroughly afterwards.

Even surfaces have to be roughen mechanically.

Sustainable surfaces with oil or grease contamination have to be cleaned with a high pressure cleaner using einzA Aktivreiniger with water or steam jet, cleaning with clean water thoroughly afterwards.

Concrete and floor pavement surfaces have to be setted at least one month and conform to the requirements of the minimum strength classes B 25 according to DIN 1045, resp. ZE 30 according to DIN 18 560, part 1.

The surface stability (separation stability of the surface) has to be at least 1,5 N/mm (AGI-worksheet A 80).

The cementitious floor pavement has to be dried up to so called household dampness that means the moisture content may be 2 - 5 % max. This value normally has been reached after one-month-setting of the surface. In case of doubt a moisture measurement has to be made.

Uneven surfaces with for example holes or bad spots have to be adjusted with customary 2-component-filling compounds. Conforming manufacturer details have to be considered.

Coating structures

Surfaces which have been pre-treated according to the regulations of „Surface preparations“ will be primed with a prime coating with the adhesion enhancing einzA LawiPur-Imprägniergrund and hardened.

Gloss formation has to be avoided.

Followed by the further system coating structure with einzA LawiPur BW.

Please order and consider the technical data sheet no. 144.

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