



TECHNICAL DATA SHEET No. 261



Lisol

solvent-based wood impregnation and
weather protection paint

colour matching with **einZA mix**

Product

Solvent based protective paint and scumble for outside application. High quality classymatt solvent-based protection paint and impregnation with deep penetrating film protection effect against blue stain based on castor stand oil and flat oil. Professional 1-pot-system for high weatherproof glazing and covering coatings. All-purpose on all wooden construction elements outside. Especially appropriate for extensive treatment on unplanned wooden surfaces. Open-pored, viscoplastic wood impregnation and weather protection paint, moisture regulating without the risk of embrittlement and crack formation.

einZA Lisol Holzlasur- und Wetterschutzfarbe is solvent-based but dries odourless.

Application purpose

Deep penetrating high-binder wood impregnation and weather protection for outside application; protects all wood construction elements with 2 coatings only and without static functions. For wood outside like for example panelling, roof overhang, façade formwork, eaves, gables, fences, gates, jambs, pergola, windows etc.

Active substance

This product is a „treated product“ referring EU regulation 528/2012 and contains the following biocidal substance as film protection: 3-Iodo-2-propynyl butylcarbamate (IPBC).

Notice

Use biocidal products carefully. Before usage always consider label and product information.

Application

Ready-to-use, brushing or rolling undiluted. According to the VOC-regulations spraying in closed areas only. Processing in areas protected from the weather is only possible in case of sufficient extraction and suitable protective equipment. When using the product over 30 °C degrees sensitive people may have eye resp. skin irritations, which are no impairment of health. In this case we recommend usage of suitable protective clothing and safety glasses.

Spreading rate

5 m²/l (= 200 ml/m²) for 2 covering coatings and 7 m²/l (= 170 ml/m²) for 2 coatings as glazing wood protection for normal absorbing wooden surfaces. Strongly absorbing wood, weathered wooden surfaces and unplanned wood will increase the consumption rate, please consider.

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

Recoatable after drying over night touch-proof after approx. 24 hours completely resilient after approx. 3 days

Drying time may increase in case of high air humidity and low temperatures. For wood with high surface density and surfaces not absorbing a surface tack over a few days has to be expected.

P.T.O.

Colour shades

Standard colours see colour chart, (almost) unlimited colour variety with the einzA mix colour mixing system L (solvent-based). The visual effect of the colours mixable among each other depends on the used type of wood, the absorbency of the surface and the necessary material requirements. In case of doubt a trial coat should be applied.

To avoid differences in colour shading of the colour shade „white“ at einzA Novasol Lasur and Farbe, it is necessary to use only one batch for one object (see details *“Vorschriften und Normen”* - DIN 6167).

Colourless should not be used solely outside. Only colour-glazing and coloured shades have sufficient UV-protection and protect the wood against greying. Middle and dark shades offer a higher UV-protection than brighter shades. The renovation resp. renewing periods for brighter shades are shorter than for more intensive colours.

As for a colourless product with UV-protection we recommend einzA Novasol Lärchenholzöl, please request the technical data sheet.

Dilution and cleaning

Apply undiluted. After usage cleaning of the tools with einzA Lackverdünnung, also suitable for the cleaning of polluted areas. Cleaning deposits and cleaning cloths have to be disposed accordingly.

Specific weight (density)

Depends on the colour shade: from 0.850 g/ml (glazing) up to 1.350 g/ml (covering).

Binder basis

Penetrating wood oils on flat oil basis and low molecular (intensive penetrating) castor stand oil, modified with long-oily alkyd resin with thixotropic gel structure.

Pigment basis

Highly transparent, micro-fine, lightfast scumbling pigments and added UV-filter (einzA Lisol Holzlasur)
Titan dioxide and lightfast colour pigments (einzA Lisol Wetterschutzfarbe)

Package size

Standard: 1 liter - 2.5 liter - 5 liter - 10 liter
einzA mix: 1 liter - 3 liter - 5 liter - 10 liter

Storage

In closed original packaging at least 1 year. Keep packaging closed tightly and store cool, dry and well ventilated. Do not store over +30 °C. After a partial taking close packaging air-tight and use at short notice. Decant rest material into smaller containers to hold the air space at a minimum, close tightly and declare content accordingly.

Regulations and standards

Condition to the durability of scumble coatings is a thorough pre-treatment of the surface.

Wooden construction elements have to be dry, clean, free of wax and grease. The measurand for the wood humidity measured in a minimum depth of 5 mm may not exceed 13 ± 2 %. Wood quality, construction and processing have to correspond to the BFS data sheet no. 18 *“Beschichtungen auf Holz und Holzwerkstoffen im Außenbereich”*.

DIN 6167 *Description of yellowing of almost white or almost colourless materials.*

Dark yellowing of white lacquers with a high amount of oil (> 60 %) results from a lack of UV-light supply. This change of raw material does not only result in a yellowish colour change of covered areas inside being varnished but also to a yellowish colour change of the oil-bearing material in the closed container.

When processing these products, for example einzA Lisol, exterior they appear fair up to light yellow depending on the storage period. But this is only a temporary appearance as the original whiteness will adjust itself depending on intensity and duration of the UV-light supply now existing.

New coating

Wood construction elements have to be clean, dry (13 ± 2 % wood humidity) and free of grease.

Prime coating with einzA Lisol Holzlasur und Wetterschutzfarbe, colour glazing

Final coating with einzA Lisol Holzlasur und Wetterschutzfarbe, colour glazing

P.T.O.

To achieve ideal surfaces an intermediate sanding could be necessary because of raised wood grains especially in case of planed and smooth surfaces.

Please consider that all end-grain surfaces have to get a saturated coat additionally.

In case of strong absorbent and coarse, unplanned surfaces and a non-sufficient constructive wood protection we recommend an impregnating pre-treatment with einZA Bläueschutz additionally.

As a rule, no additional impregnation is necessary.

Renovation coating

Test old coatings for stability and adhesion by cross cut.

Loose and damaged parts have to be removed.

Sand down thoroughly old, sound scumble coatings and clean well.

Depending on the weathering apply one or two coats with einZA Lisol Holzlasur und Wetterschutzfarbe.

To achieve ideal surfaces an intermediate sanding could be necessary because of raised wood grains especially in case of planed and smooth surfaces.

Treat end-grain surfaces additionally with einZA Lisol Holzlasur und Wetterschutzfarbe.

For renovation coatings brighter colour shades may be used.

Referring to the gloss level:

The gloss level development of varnishes and stains with a high content of oil is due to the system according to the VOC conditions. Depending on the colour shade the formation of the final gloss level may take up to 28 days. This gloss level development corresponds to the state-of-the-art technology.

einZA Lisol Holz- und Wetterschutz Lasur und Farbe reaches the final gloss approx. after 2 weeks, depending on drying and weather conditions.

Labeling

The product is subject to the Ordinance on Hazardous Substance. All necessary indications are contained in the Safety Data Sheet regarding CLP regulation (GHS) according to the regulation (EC) no. 1272/2008. Available at www.einzA.com at any time or to be requested using sdb@einzA.com

Labelings on the packaging have to be considered!

Waste code **AVV 08 01 11**.

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

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

Lb: max. 400 g/l reg. level II (2010)

VOC-content of einZA Lisol Holzlasur und Wetterschutzfarbe: <400 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 04/2020; with this, all previous specification sheets are invalid.