



TECHNICAL DATA SHEET No.209

Novasol

wood varnish and weather-protective paint
containing solvents

colour matching with **einZA mix**

Type of material

Glazing and covering weather protection for outside application. The 2-coating-system is water-resistant, has a layer protection against blueing and is highly weather-resistant. Its excellent quality guarantees a very easy, regular and streakless application also on larger surfaces. Gel forming thix alkyds allow dripless processing.

Special oils effect the best wetting of the substrate and an intermediate adhesion. An intermediate sanding for absorbent and unplanned surfaces is not necessary. The protective layer of einZA Novasol is porous, highly elastic and diffusible. If applied correctly and according to the instructions and rules it prevents loss of adhesion.

einZA Novasol wood varnish and weather-protective paint contains solvents but dries odourlessly.

Application purpose

Deep penetrating high-binder wood impregnation and weather protection for outside application. Wood varnish and weather-protective paint which penetrates deeply and has a high quantity of binder agents. Two coatings protect wooden construction elements without static function. Apply einZA Novasol varnish and paint on wooden substrates outdoors, such as furrings, roof structures, facade panels, gables, fences, gates, posts, pergolas and window frames.

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.

Processing

The product is ready for use and can be applied by brush or roll, undiluted.

According to the VOC-regulations apply by spraying only in closed facilities.

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) with two covering coatings; 7 m²/l (= 170 ml/m²) with two transparent wood preservative coatings of normally absorbing wooden substrates. Please note that highly absorbing wood, weathered wood and rough wood may consume more.

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

Recoatible after drying over night. Touch proof after approx. 24 hours. After 3 days of hardening fully stressable.

With high air humidity and low temperatures the drying may take longer.

If the wood has a high surface density and is non absorbing the coating may be tacky for a few days.

P.T.O.!

Colours

Standard colours according to the colour chart, special colours on inquiry.

A nearly unlimited range of colours can be obtained through the colour matching system einzA mix (containing solvents).

The effect the mixable colour shades achieve depends on the type of wood, the absorbancy of the substrate and on the quantity of material needed. We recommend a test area.

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).

Do not apply the colourless product on its one outdoors.

Only coloured-transparent and coloured products are UV-resistant and protect the wood against getting grey.

Dark and medium colour shades are more UV-resistant than light colours.

When applying light colours the intervals between the renovation coatings are shorter than when using darker ones.

As colourless product with UV protection we recommend einzA Novasol Lärchenholzöl, request and refer to the technical data sheet Nr. 210.

Dilution and Cleaning

Apply the product undiluted. After use clean the tools with einzA Lackverdünnung, it is also applicable to clean dirty and impure surfaces. Dispose cleaning residuals and tools duly.

Specific weight (density)

depending on the colour shade: from 0,850 g/ml (transparent) till 1,350 g/ml (covering)

Binder basis

long-oil alchyd resin, thixotropic

Pigment basis

Varnish pigments, highly transparent, microfine, light-resistant with a UV filter (einzA Novasol varnish)

Titanium dioxide and light-resistant colour pigments (einzA Novasol paint)

Package sizes

1, 5, 20, and 200 liters

Storage

At least one year case of closed containers. Keep the containers well sealed in a cool, ventilated and dry place.

Do not store with temperatures above +30 °C. Close opened containers airtightly and use the rest of the product soon.

Fill the remainders into smaller containers, seal them well and declare the content correctly.

Specification and conditions

The precondition for long lasting varnishes is the careful pre-treatment of the substrate.

The wooden construction elements need to be dry, clean and free from wax and grease. The humidity of the wood measured in a depth of not less than 5mm should not be higher than 13 +/- 2%. The quality of the wood, the construction and the processing technique need to correspond to the regulations of the BFS-data sheet number 18: *“Technische Richtlinien für die 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 Novasol, 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.

P.T.O.!

New coatings

The wooden construction elements need to be dry (13 +/-2% wood humidity), clean and free from wax and grease.

Prime coat with einZA Novasol varnish and paint, coloured-transparent

Finishing coat with einZA Novasol varnish and paint, coloured-transparent

To obtain ideal surfaces one intermediate sanding could be necessary to raise wood fibres especially in case of planed and smooth wooden surfaces.

End facing wood needs to be coated thoroughly.

In case the wooden substrate is highly absorbing, rough and not well protected by construction we recommend an impregnating pre-coating with einZA Bläueschutz. Normally an impregnating coat is not necessary.

Renovation coatings

Check the adhesion of old layers (cross-hatch).

Eliminate loose and damaged parts.

Clean and sand accurately the old and well preserved layers.

Depending on the weathering apply one or two coatings with einZA Novasol varnish and paint.

To obtain ideal surfaces one intermediate sanding could be necessary to raise wood fibres especially in case of planed and smooth wooden surfaces.

End facing wood needs to be coated thoroughly.

Renovation coatings can be applied also with lighter colour shades.

Security advice and labelling

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 e)

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

VOC-content of einZA Novasol varnish and paint: < 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.