Aqua-Fensterlack

silk-glossy - diffusible

I. Product

einzA Aqua-Fensterlack is a quick-drying, water-dilutable, breathable window white paint for outside and inside, is easy and efficient to process with good edge coverage. einzA Aqua-Fensterlack is blockfast and weather resistant, colour stable and permanently elastic. einzA Aqua-Fensterlack forms a silk-glossy, scratch-resistant, dirt-repellent and therefore easy to clean and easy-care coating.

Type of material	water-dilutable, moisture regulating (breathable) window white paint
Applicatin purpose	weatherproof window paint for true to size wooden elements for example windows and doors
Colour shade	white
Gloss level	silk-glossy
Specific weight	approx. 1,270 - 1,290 g/cm^3 = 1.270 - 1.290 g/l
Binder basis	PU-finished pure-acrylic, water-dilutable
Pigment tbasis	titanium dioxide rutile, specialty extender
Package sizes	2,5 l - 750 ml

II. Properties and working instructions

Light resistance	very good
Coverage / Flow out / Volume	very good
Weather resistance / Adhesion / Elasticity	fulfils the requirements of DIN and VOB conditions
Physical data	water absorption coeffizient corresp. to DIN EN ISO 1062-3: w = 0,080 kg/m^2 h^{0,5}
	Vapour resistance corresp. to DIN EN ISO 7783-2: sd = 0,16 m

Dilution	
Brushing and rolling	undiluted, einzA Aqua-Fensterlack is ready to use
Spraying (only in closed areas)	water
Airless spraying	undiluted, usable for piston and diaphragm units
	Pressure: 120 - 160 bar – Spraying angle: 20° - 30° - Nozzle: 208/210/308/310

Drying times (at 20 °C, 65 - 75% rel. air humidity, 90 µm wet film)	
	Touch proof after approx. 1 – 2 hours; with cool and damp weather conditions the drying time will increase. Do not process at temperatures below + 8°C and a rel. air humidity higher than 85 %.
Notice	Water dilutable acrylic PU varnishes only dry (formation of film) by physical drying (cold flow). The final film formation and therefore the mechanical compressive strength (block resistance) will only be reached after approx. 24 hours, please consider.
Spreading rate	10 - 11 m^2/l = 90 - 100 ml/m^2

P.T.O. !

Processing

Recoatable	after approx. 3 - 4 hours
Tools	acrylic brushes or foam rollers with a very fine foam structure suitable and recommended for waterbased acrylic PU varnishes, please follow manufacturer's instructions.
Cleaning of tools	immediately after use with water
Storage	protected against frost, close opened containers tightly

III. Coating and/or applying technique

Requirement for the durability of window coatings is the careful pretreatment of the surface.

The wooden elements to be coated have to be dry, clean, free of wax and grease.

The measurands of the humidity of the wood, measured in minimum 5 mm depth, may not exceed 13 ± 2 %.

The quality of the wood, construction and applying technique have to correspond to the regulations of the BFS-data-sheet no. 18 "Beschichtungen auf Holz und Holzwerkstoffen im Außenbereich".

Do not coat soft-PVC and contact surfaces to PVC-seals with einzA Aqua-Fensterlack.

When using sealing profiles only use profiles which are suitable for water-dilutable acrylic vanishes for example TKF or AC sealing profiles.

A. Moisture regulating new coating: windows and doors

1. Impregnation of wooden elements with einzA Bläueschutz W (only necessary in case of softwood lumber and coniferous wood being prone to blue-stain and vulnerable to fungus, an impregnation in case of deciduous wood and hardwood will not be applied)

2. Prime coat with einzA Aquamatt

3. Sanding and plugging of boreholes etc.

4. Intermediate coat with einzA Aqua-Fensterlack, undiluted

5. Final coat with einzA Aqua-Fensterlack, undiluted

B. Moisture regulating new coating: windows and doors with bleeding wood or type of woods with wood components

1. Impregnation of wooden elements with einzA Bläueschutz W (only necessary in case of softwood lumber and coniferous wood being prone to blue-stain and vulnerable to fungus, an impregnation in case of deciduous wood and hardwood will not be applied)

2. 1 up to 2 insulating prime coats with einzA Aqua-Isogrund, depending on the surface

3. Sanding and plugging of boreholes etc.

4. Intermediate coat with einzA Aqua-Fensterlack, undiluted

5. Final coat with einzA Aqua-Fensterlack, undiluted

C. Renovation coating: windows and doors

Stable, perfectly adhesive old coatings (tested with cross cut trial) have to be cleaned, sanded and dedusted thoroughly.
Regulations of the BFS-data-sheet no. 20 "Baustellenübliche Prüfungen zur Beurteilung des Untergrundes" have to be considered.

In case of doubt a trial coat is recommended.

Then (if necessary) application of the priming varnish (base coat) with einzA Aquamatt.
1 up to 2 final coatings with einzA Aqua-Fensterlack, depending on the consistency of the surface.

IV. Security advice and labelling

Giscode (product code)   BSW20
Flash point   not applicable as non-inflammable

The product is subject to the Ordinance on Hazardous Substance.

All necessary indications are contained in the Material Data Sheet regarding CLP Regulation (GHS) regarding Regulation (EC) 1272/2008. Available at www.einzA.com at any time or to be requested using sdb@einzA.com.

Labellings on the packaging have to be considered.

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

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

Wb: max. 150 g/l reg. level I (2007) and max. 130 g/l reg. level II (2010)

VOC-content of einzA Aqua-Fensterlack: < 50 g/l