

TECHNICAL DATA SHEET No.014



**PU-Vergütet
Blockfest
Kratzfest**

**PU-Vergütet
Blockfest
Füllkräftig**



Aquamatt

Tintable with **einZA mix**

I. Werkstoff

einZA Aquamatt for outdoor and indoor application is a water-dilutable, well-filling precoating paint and matt varnish paint for weatherproof, durable coatings for wood, mineral surfaces, metal and hard PVC. einZA Aquamatt is odourless, easy to apply and quick-drying. The hardened coating is diffusible, permanently elastic, resistant to yellowing and easy to clean with customary household cleaning agents. Environmentally sound because environmentally compatible. Coatings with einZA Aquamatt are saliva and sweat resistant according to EN 71 part 3 (safety of toys).

Type of material	water-dilutable precoating paint and matt, weatherproof varnish paint for inside and outside application
Application purpose	matt, weatherproof coatings for wood, metal, hard PVC and mineral surfaces. Well-filling prime coat in conjunction with einZA PU lacquers.
Colour shades	white as well as a range of colour shades obtained by using einZA mix paint mixing system
Gloss level	matt
Specific weight	approx. 1.35 = 1350 g/l
Binder basis	PU-finished pure acrylate, water-dilutable
Product line to VdL-R01	dispersion varnish
Pigment basis	titanium dioxide rutile, filler
Temperature resistant	up to + 120 °C, dry (indoor)
Package sizes	standard: 2.5 l - 750 ml - 250 ml einZA mix: 3.000 ml - 1.000 ml

II. Properties and working instructions

Light resistance	very good
Chemical resistance	resistant to industrial atmospheres, household cleaning agents, resistant to saponification
Weather resistance / Adhesion / Elasticity / Scrub resistance	fulfils the requirements of the DIN and VOB conditions
Dilution	water
Brushing and Rolling	undiluted
High pressure spraying	with water at spraying viscosity: set from 20 - 25 sec. in DIN 6 cup 1.2 - 1.5 mm nozzle, spraying pressure approx. 3.5 bar
Airless spraying	undiluted, suitable for piston and diaphragm pistols
Drying times (20 °C, 65 - 75 % rel. air humidity; 90 µm wet film)	touch proof after approx. 1 hour (drying time will extend in case of cool and damp weather)
Spreading rate	10 - 11 m ² /l = 90 - 100 ml/m ²

P.T.O.!

Processing

Recoatable and resprayable	after approx. 3 - 4 hours Do not process at temperatures below + 8°C (air and object temperature). Only use at a rel. air humidity up to max. 80 %.
Tools	brush for acrylic paints with Orel-Mix-bristle, flocked Moltopren roller
Cleaning of tools	immediately after use with water
Storage	protected against frost, close open drums tight
Disposal	Dispose of this material at special waste collection points for old varnishes. For recycling only use containers being completely empty.

Processing guidelines

During cold and damp seasons water dilutable components from the not yet dried coating could dissolve out relative shortly after application due to the interaction of high air humidity, mist or rain and temperature reductions (especially during cool and wet evening and morning hours). These are for example tensides, emulsifiers, protective colloids or other additives which are required in the coating to gain certain quality characteristics. If such stains occur, which mostly appear as sticky, glossy spots, the areas should not be reworked directly. The water dilutable stains will be washed off automatically by further humidity stress (for example after several heavy rainfalls). If a direct rework will be made the stains have to be washed off thoroughly with water before a further coating will be applied.

This phenomenon which only occurs in case of unfavorable weather conditions is state-of-the-art and unavoidable. It is a temporary visual defect which has no influence on the protective function of the coating.

III. Coating and/or applying technique

einZA Aquamatt is suitable for matt coatings resp. well-filling precoat paint for many surfaces such as doors and woodwork, wood panelling, outdoor woodwork, galvanized iron, aluminium, fibre cement, concrete and plaster surfaces.

A. Interior wooden surfaces:

1. If necessary stopping with einZA Schnellspachtel
2. Prime coat with einZA Aquamatt diluted up to 5 % with water
3. Intermediate coat with einZA Aquamatt, undiluted
4. Final coat with einZA Aquamatt

B. Exterior wooden surfaces:

1. Impregnation with einZA Bläueschutz W (only for softwood lumber and coniferous wood)
2. Prime coat with einZA Aquamatt
3. Intermediate coat with einZA Aquamatt
4. Final coat with einZA Aquamatt

C. Concrete and plaster surfaces, fibre cement:

1. Strengthening of absorbing, mineral surfaces with einZA Aqua-Tiefgrund
2. Prime coat with einZA Aquamatt, diluted up to 10 % with water
3. Intermediate coat with einZA Aquamatt
4. Final coat with einZA Aquamatt

D. Coatings with silk-glossy or glossy surface:

If the final coat shall not be matt but silk-glossy or glossy einZA Aquamatt is only used as prime coat. Intermediate and final coats will be effected with einZA Samtacryl (silk-glossy) resp. einZA Reinacryl (glossy).

E. Iron, steel, galvanized iron, light metal and hard PVC

Remove rust and degrease from iron and steel, prime with einZA Aqua All-Grund, once inside, twice outside. Thoroughly degrease galvanized iron and light metal with ammonia and surfactant (Pril or similar), sand down with nylon fabric, then wash well with clear water. Remove oxidation with nylon fabric (for example Scotch Britt) mechanically. Degrease hard PVC and sand down.
Coat surfaces pre-treated this way twice with einZA Aquamatt, undiluted

F. Old coatings

Completely remove old coatings which are not stable. Check sound old coatings referring stability, sand down thoroughly and remove dust. Brush down insufficient bonded emulsion coatings and remove dust.

1. Prime coat with einZA Aquamatt diluted up to 5 % with water
2. Final coat with einZA Aquamatt (matt), einZA Samtacyl (silk-glossy) or einZA Reinacryl (glossy), undiluted

Surfaces with contact to PVC seals should be painted with solvent-containing einZA varnishes on acrylic or synthetic resin basis to avoid possible bonding.

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.
Necessary details are included 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.

Labelling 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. 130 g/l reg. level II (2010)
VOC-content of einZA Aquamatt: < 50 g/l

The details given above have been compiled in accordance with knowledge of state-of-art testing technology and are to be considered as directives. Because of the manifold methods of application and working these are without commitment and give no grounds for any contractual legal relationship and, moreover, do not release the user from testing our products as to their suitability at his own responsibility. In all other respects our general terms of business are valid.

Issue 07/2021; as a result of which all previous memorandum sheets become invalid.