

TECHNICAL DATA SHEET No. 236



Samtacryl-Sprayfinish



colour matching with **einZA mix**

I. Product

einZA mix Samtacryl Sprayfinish is a water-dilutable, weatherproof, silk-glossy premium varnish paint for blockfast coatings with scratch-resistant surface for the efficient, covering coating with airless spraying method. einZA mix Samtacryl Sprayfinish is quick drying, formaldehyde-free, odourless and easy to process. The cured coating is diffusible, permanently elastic, resistant to yellowing and easy to clean with common household detergents. Environmentally sound as environmentally compatible.

Type of material	water-dilutable premium PU silk-glossy varnish for outdoor and indoor
Application purpose	silk-glossy, weatherproof PU acrylate coating for wood, metal, hard PVC and mineral surfaces as well as for hot water radiators and pipes.
Colour shades	white as well as a range of colour shades obtained by using einZA mix paint mixing system.
Gloss level	silk-glossy
Specific weight	approx. 1,108 - 1,278 g/cm ³ , depending on the colour shade
Binder basis	PU-finished pure acrylate, water-dilutable
Product group to VdL-R01	dispersion varnish
Pigment basis	lightfast, weatherproof colour pigments, matting agent
Temperature resistant	up to + 120 °C, dry (indoor)
Package sizes	3 l (base colours 1, 2 and 3)

II. Properties and working instructions

Light resistance	very good with all colour shades indoor and outdoor, also in all colour shade brightening
Chemical resistance	resistant to industrial atmospheres, household detergents, resistant to saponification
Weather resistance / Adhesion / Elasticity / Scrub resistance	fulfils the requirements of DIN and VOB conditions
Note	In case of intensive and dark colour shades a temporary pigment abrasion on the coating surface may occur. For silk mat varnish paint systems this confirms to the state of art and is no reason for complaint.
Dilution	water
Airless spraying	undiluted, suitable for piston and diaphragm pistols Pressure: 160 bar spraying angle: 20 - 40° nozzle: 210 - 410
Stability	up to 350 µm
Drying times (20 °C, 65 - 75% rel. air humidity, 200 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 (environment, surface and material) and a rel. air humidity higher than 85 %.

P.T.O.!

Note	<p>Usage only on surfaces pre-lacquered, pre-treated with primer or within the system structure with einzA Aquamatt resp. einzA mix Aquamatt Sprayfiller. Surfaces being smooth or not absorbent are not suitable.</p> <p>The temperature difference between surface and environment has to be less than 3°C so that the film formation will not be interrupted. In case of a dew point situation regular drying is not possible and film disturbances will arise.</p> <p>In case of PVC-containing sealings there is a risk of plasticizer migration and adhesion. For rubber profiles only use sealings which are suitable for water-dilutable acrylic lacquers, for example TKF or AC rubber profiles.</p>
Spreading rate	approx. 200 - 250 ml/m ² - exact rates have to be determined by trial application

Processing

Recoatable (in case of a wet film thickness of Ø 200 µm)	after 4 - 5 hours at 20 °C and 65 - 75 % rel. air humidity. Lower temperatures and/or higher air humidity will cause longer drying times, please consider.
Cleaning of tools	immediately after use with water, if necessary usage of the einzA Werkzeugreiniger
Storage	protected against frost, close open drums tight
Disposal	dispose of drums with rest 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 mix Samtacryl Sprayfinish silk-glossy is suitable for the efficient, covering coating with airless spraying method on many surfaces such as doors and woodwork, wood panelling, outdoor woodwork, hot galvanized iron, aluminium, as well as hot water radiators and pipes. Within the system structure with einzA mix Aquamatt Sprayfiller very high-quality coatings with only two spray applications.

A. Interior wooden surfaces:

1. Stopping with Palmcolor Schnellspachtel if necessary
2. Prime coat with einzA mix Aquamatt Sprayfiller, undiluted
3. Final coat with einzA mix Samtacryl Sprayfinish, undiluted

B. Interior wooden surfaces with ingredients to be blocked

1. Professional and appropriate cleaning of the surface.
2. Thoroughly sand down and remove dust from the cleaned surface.
3. Prime coat with einzA Aquamatt Sprayfiller, undiluted.
4. Silk-glossy final coat with einzA mix Samtacryl Sprayfinish, undiluted.

In case of an insufficient insulating effect a drying time of 24 hours before rework is mandatory.

Followed by final coat with einzA mix Samtacryl Sprayfinish and einzA Acryl-PU-Härter mixing ratio 10 : 1 (Technical Data Sheet no. 180 has to be considered).

P.T.O.!

C. Outdoor wooden surfaces:

1. Impregnation with einZA Bläueschutz W (only in case of softwood lumber and coniferous wood)
2. Prime coat with einZA mix Aquamatt Sprayfiller, undiluted
3. Final coat with einZA mix Samtacryl Sprayfinish, undiluted

D. Iron, steel, galvanized iron, light metal and hard PVC:

Derust and degrease iron and steel and prime with einZA Aqua All-Grund, once inside, twice outside. Thoroughly degrease galvanized iron and light metal with ammonia and surfactant (for example Pril), sand down with nylon fabric and wash with clear water afterwards.

Remove oxidation with nylon fabric (for example Scotch Britt) mechanically.

Degrease hard PVC and sand down. Coating of surfaces pre-treated this way as follows:

1. Prime coat with einZA mix Aquamatt Sprayfiller, undiluted
2. Final coat with einZA mix Samtacryl Sprayfinish, undiluted

E. Old coatings

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

1. Prime coat with einZA mix Aquamatt Sprayfiller, undiluted
2. Final coat with einZA mix Samtacryl Sprayfinish, undiluted

IV. Security advice and labelling

GIS code (product code)	M-LW01
Flash point	not applicable, non-inflammable
Hazardous class to VbF	not applicable

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 d) - Wb: max. 130 g/l reg. level II (2010)

VOC-content of einZA (mix) Samtacryl-Sprayfinish: < 50 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 07/2021**; with this, all previous specification sheets are invalid.